US009477991B2

(12) **United States Patent**
Burris et al.

(10) **Patent No.: US 9,477,991 B2**
(45) **Date of Patent: Oct. 25, 2016**

(54) **METHODS AND SYSTEMS OF AGGREGATING INFORMATION OF GEOGRAPHIC CONTEXT REGIONS OF SOCIAL NETWORKS BASED ON GEOGRAPHICAL LOCATIONS VIA A NETWORK**

(71) Applicant: **Snap Trends, Inc.**, Austin, TX (US)

(72) Inventors: **Brandon C. Burris**, Austin, TX (US); **Sean Harvell**, Bastrop, TX (US)

(73) Assignee: **Snap Trends, Inc.**, Austin, TX (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 477 days.

(21) Appl. No.: **14/011,513**

(22) Filed: **Aug. 27, 2013**

(65) **Prior Publication Data**

US 2015/0066901 A1 Mar. 5, 2015

(51) **Int. Cl.**
G06Q 50/00 (2012.01)
G06F 17/30 (2006.01)

(52) **U.S. Cl.**
CPC ***G06Q 50/00*** (2013.01); ***G06F 17/30867*** (2013.01)

(58) **Field of Classification Search**
None
See application file for complete search history.

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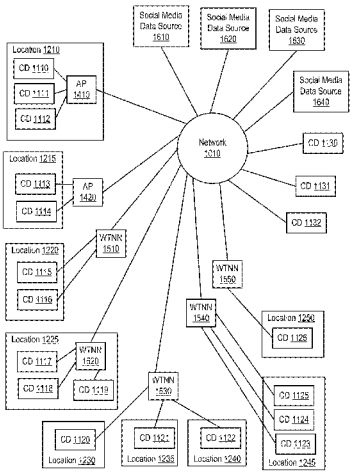
Primary Examiner — Mariela Reyes
Assistant Examiner — Soheila Davanlou
(74) *Attorney, Agent, or Firm* — Yudell Isidore PLLC

(57) **ABSTRACT**

In one or more embodiments, one or more systems, devices, methods, and/or processes described can apply searches and/or filters to data of social networks with respect to one or more geographical search regions that intersect respective one or more geographical context regions. One or more social networks can be queried with search and/or filter parameters and one or more geographical context regions, and results received from the social network(s) can be based on the search and/or filter parameter(s) and the geographical context region(s) and presented to a user on a map or other user interface. One or more queries can be saved with their identification(s) of geographical context region(s) and their search and/or filter parameter(s) (e.g. saved queries) can continue to run and/or execute over one or more periods of time transpiring to provide continual and/or periodic reporting.

78 Claims, 17 Drawing Sheets



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WO	WO 99/27716	6/1999
WO	WO 99/51005	10/1999
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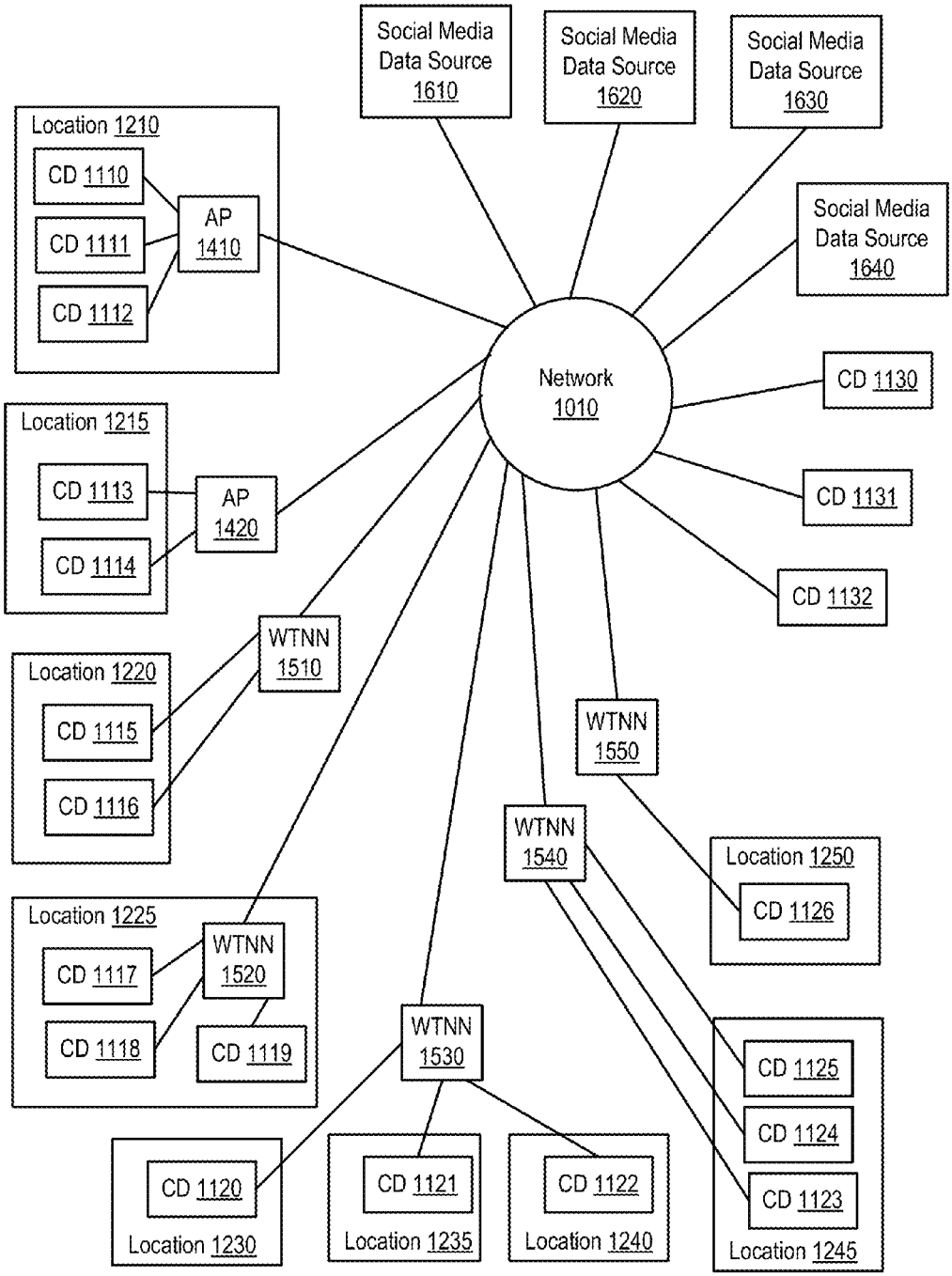
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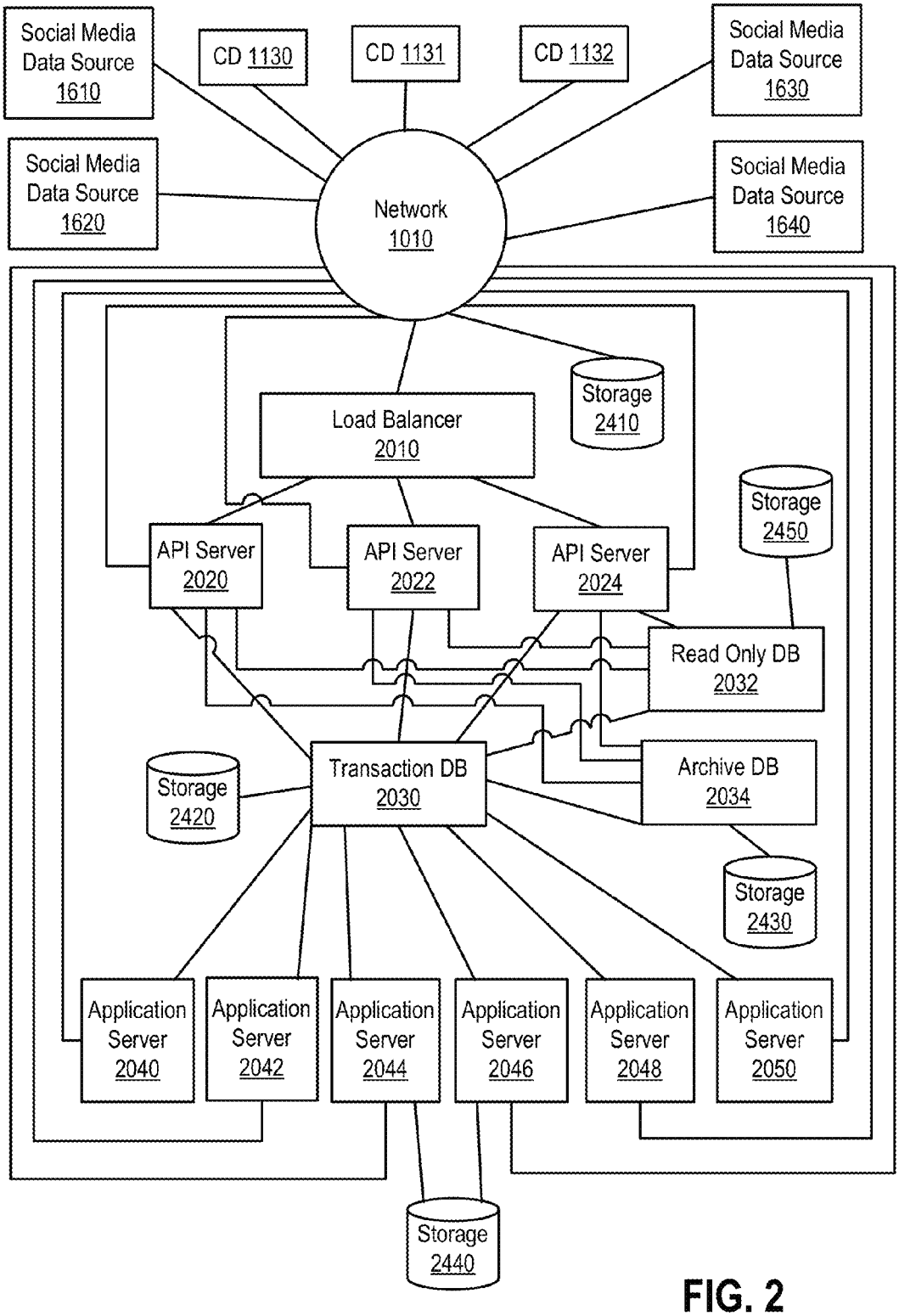
Social Media Data Source 1620
Social Media Data Source 1630
Social Media Data Source 1640
Location 1210
CD 1110
CD 1111
CD 1112
AP 1410
Network 1010
CD 1130
CD 1131
CD 1132
Location 1215
CD 1113
CD 1114
AP 1420
WTNN 1510
Location 1220
CD 1115
CD 1116
WTNN 1550
WTNN 1540
Location 1250
CD 1126
Location 1225
CD 1117
CD 1118
WTNN 1520
CD 1119
WTNN 1530
CD 1125
CD 1124
CD 1123
Location 1245
CD 1120
Location 1230
CD 1121
Location 1235
CD 1122
Location 1240

FIG. 1


Social Media Data Source 1610
CD 1130
CD 1131
CD 1132
Social Media Data Source 1630
Social Media Data Source 1620
Network 1010
Social Media Data Source 1640
Storage 2410
Load Balancer 2010
Storage 2450
API Server 2020
API Server 2022
API Server 2024
Read Only DB 2032
Storage 2420
Transaction DB 2030
Archive DB 2034
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Application Server 2040
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Application Server 2046
Application Server 2048
Application Server 2050
Storage 2440

FIG. 2

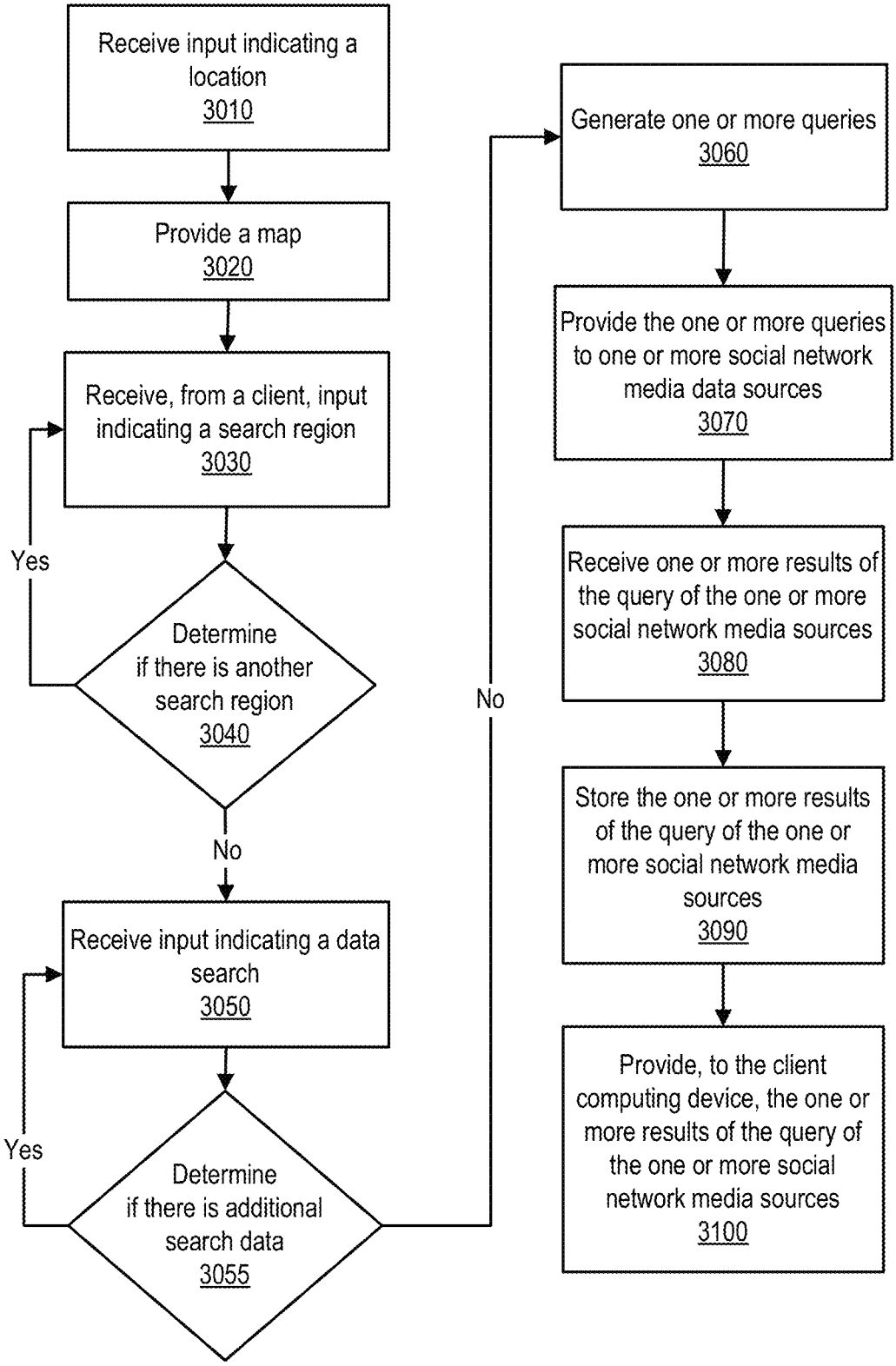

Receive input indicating a location
3010
Provide a map
3020
Receive, from a client, input indicating a search region
3030
Determine if there is another search region
3040
Yes
No
Receive input indicating a data search
3050
Determine if there is additional search data
3055
Yes
No
Generate one or more queries
3060
Provide the one or more queries to one or more social network media data sources
3070
Receive one or more results of the query of the one or more social network media sources
3080
Store the one or more results of the query of the one or more social network media sources
3090
Provide, to the client computing device, the one or more results of the query of the one or more social network media sources
3100

FIG. 3

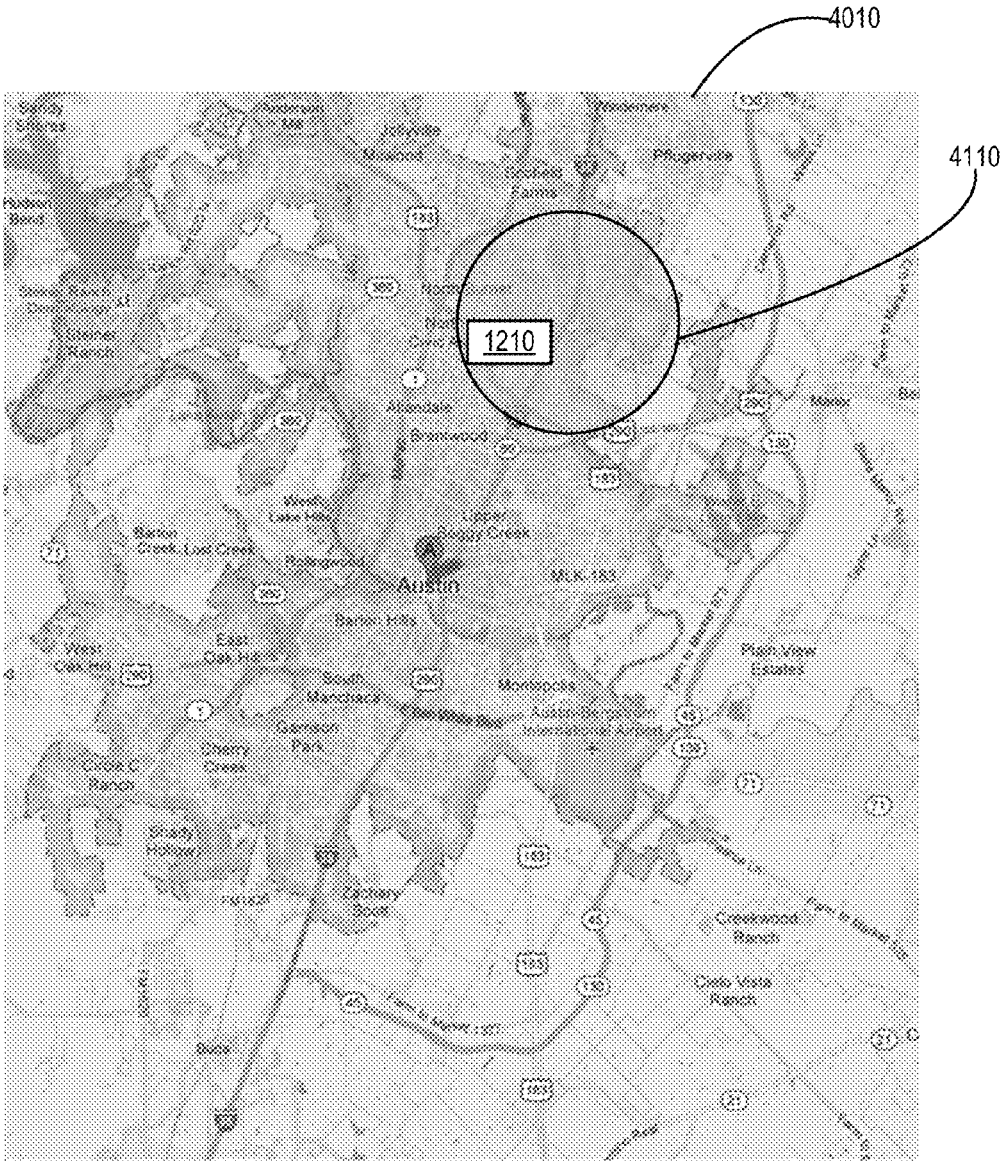


FIG. 4

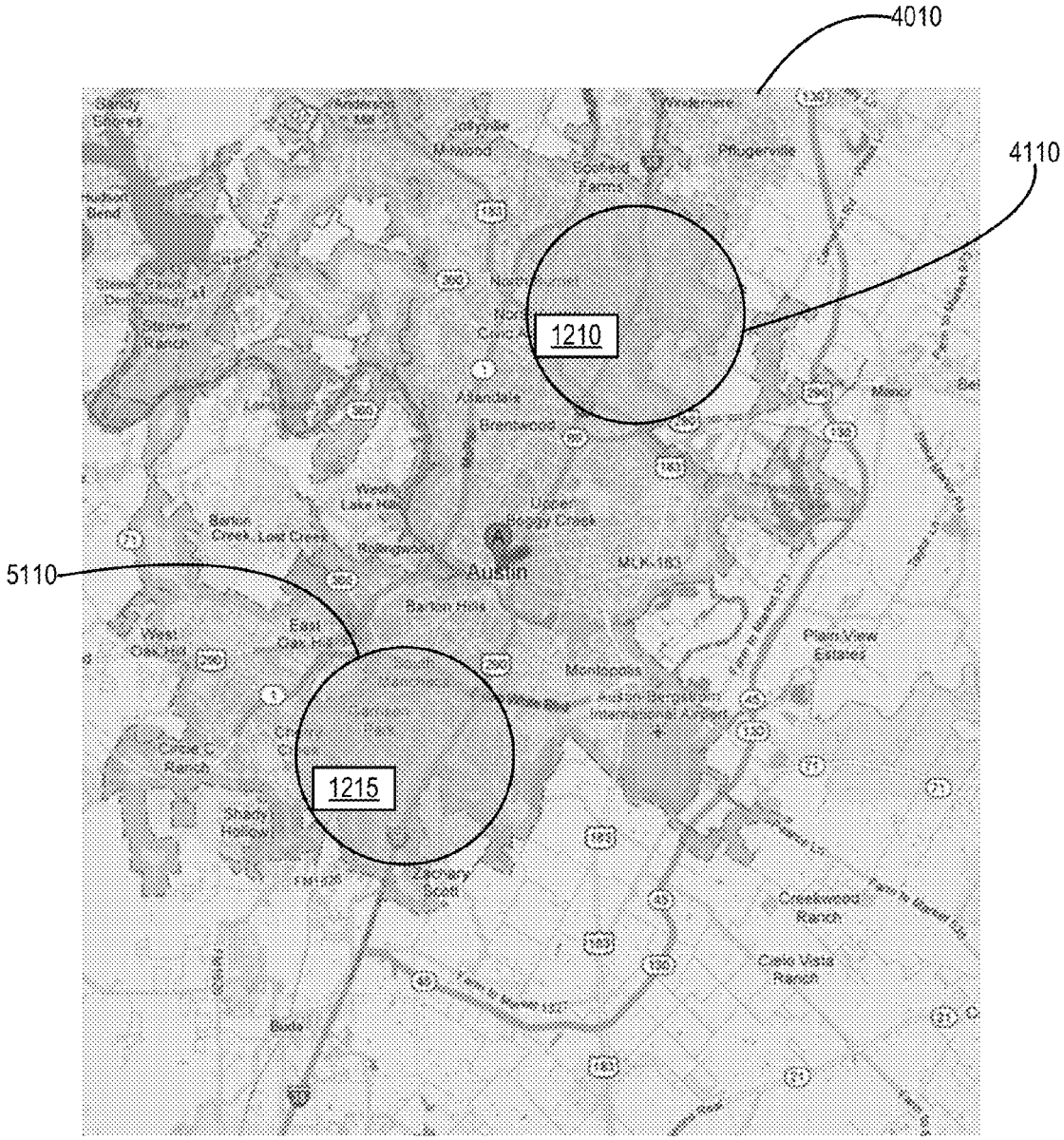


FIG. 5

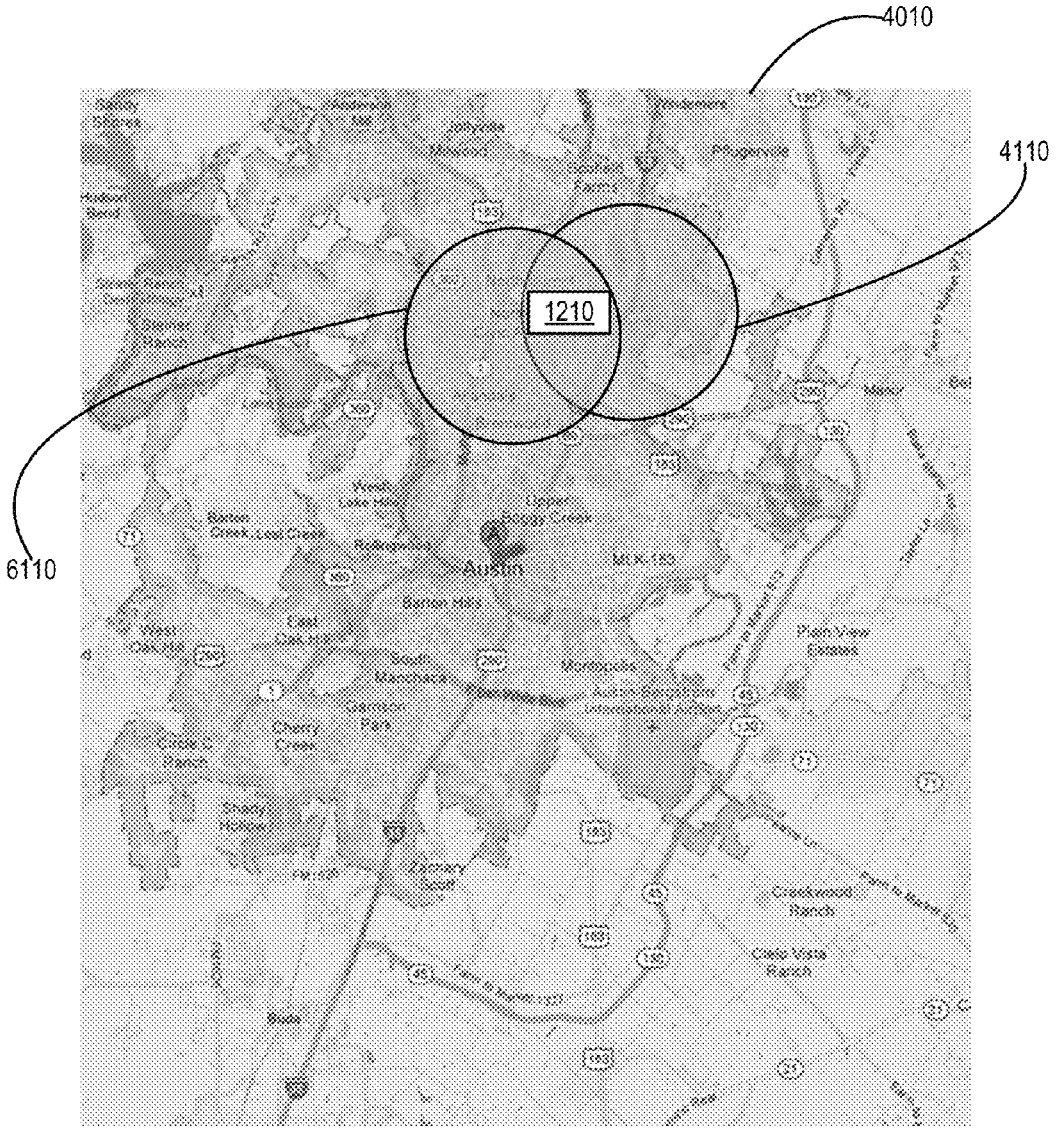


FIG. 6

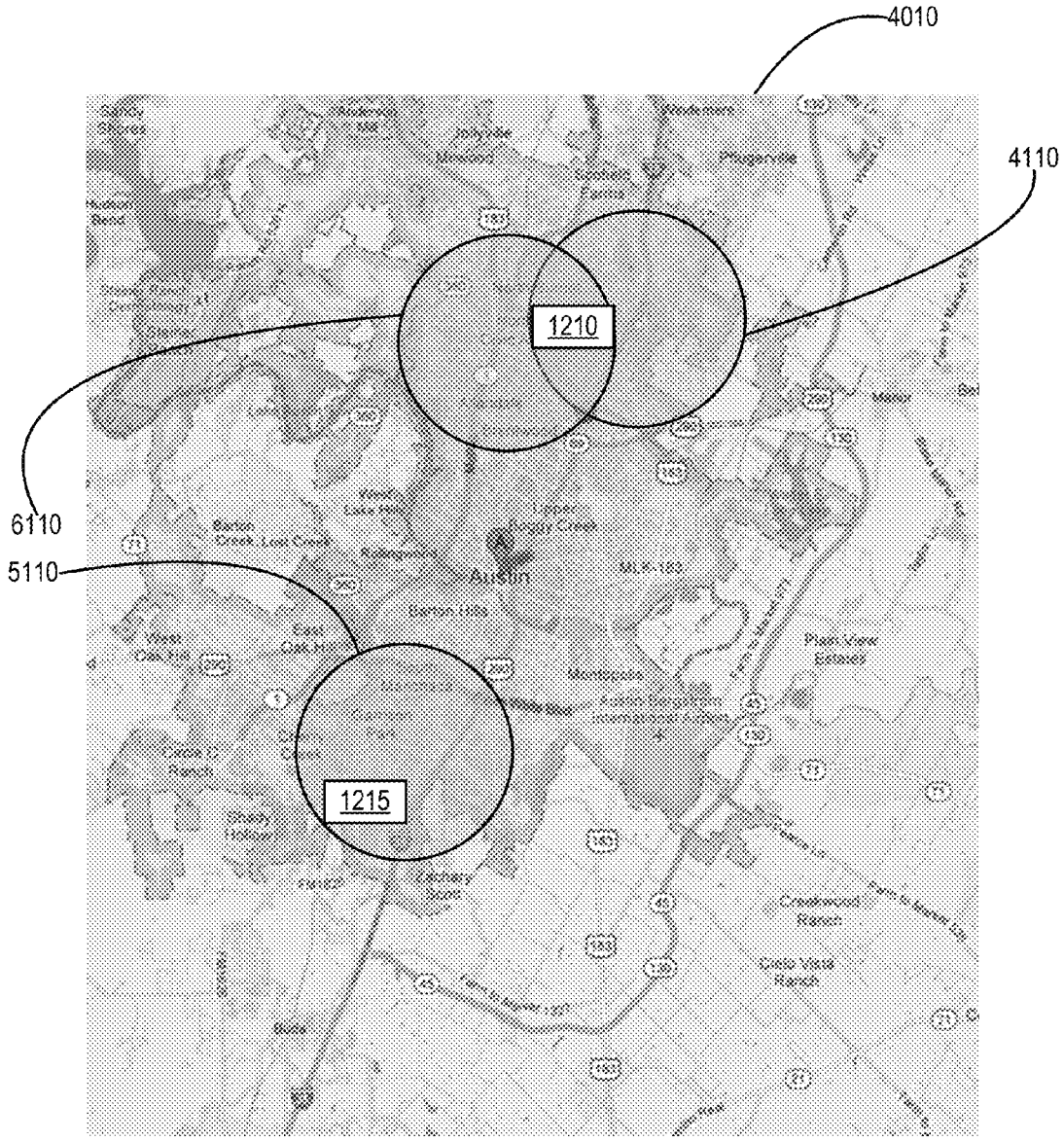


FIG. 7

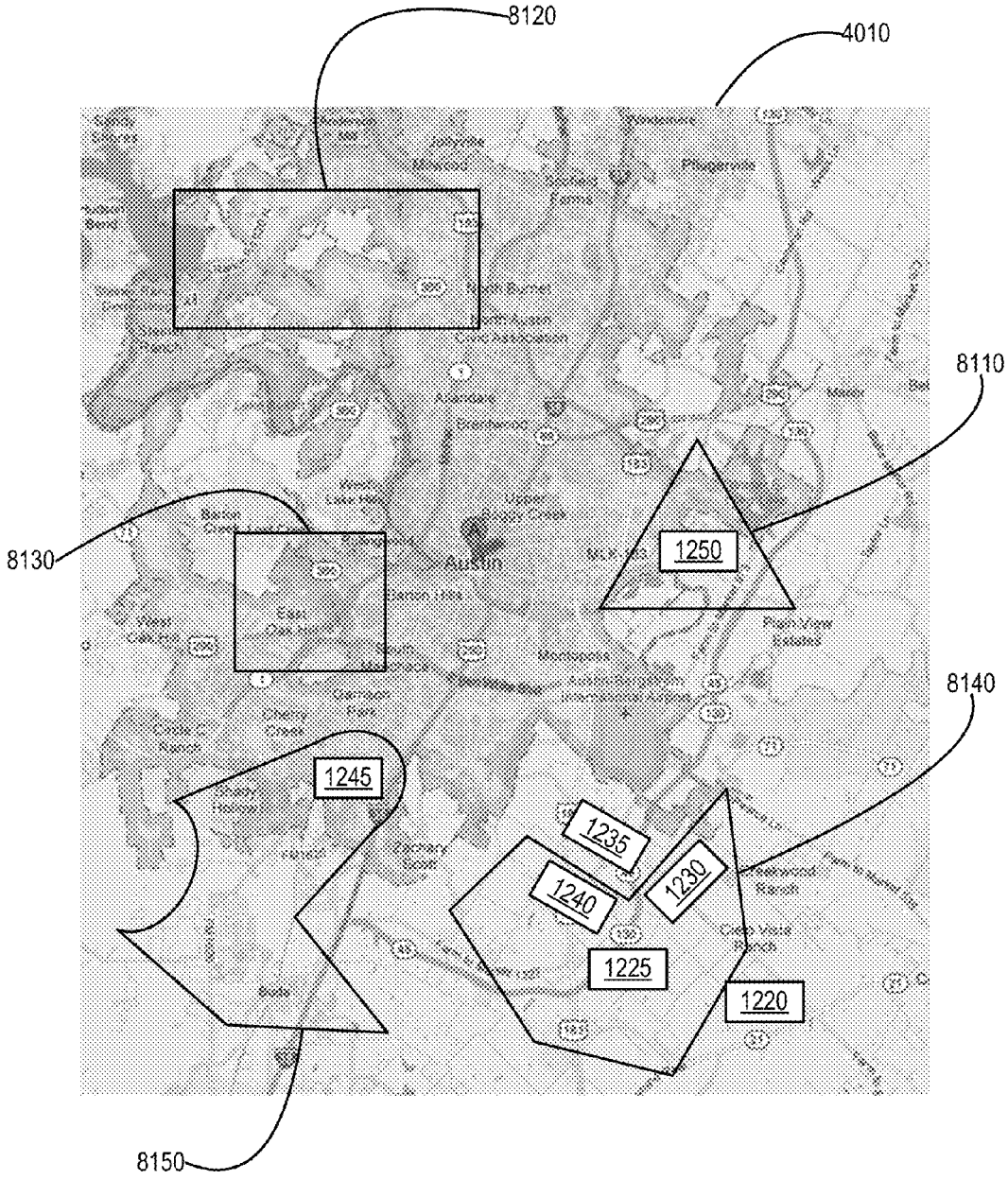

8120
4010
8110
8130
1250
8140
1245
1235
1230
1240
1225
1220
8150

FIG. 8

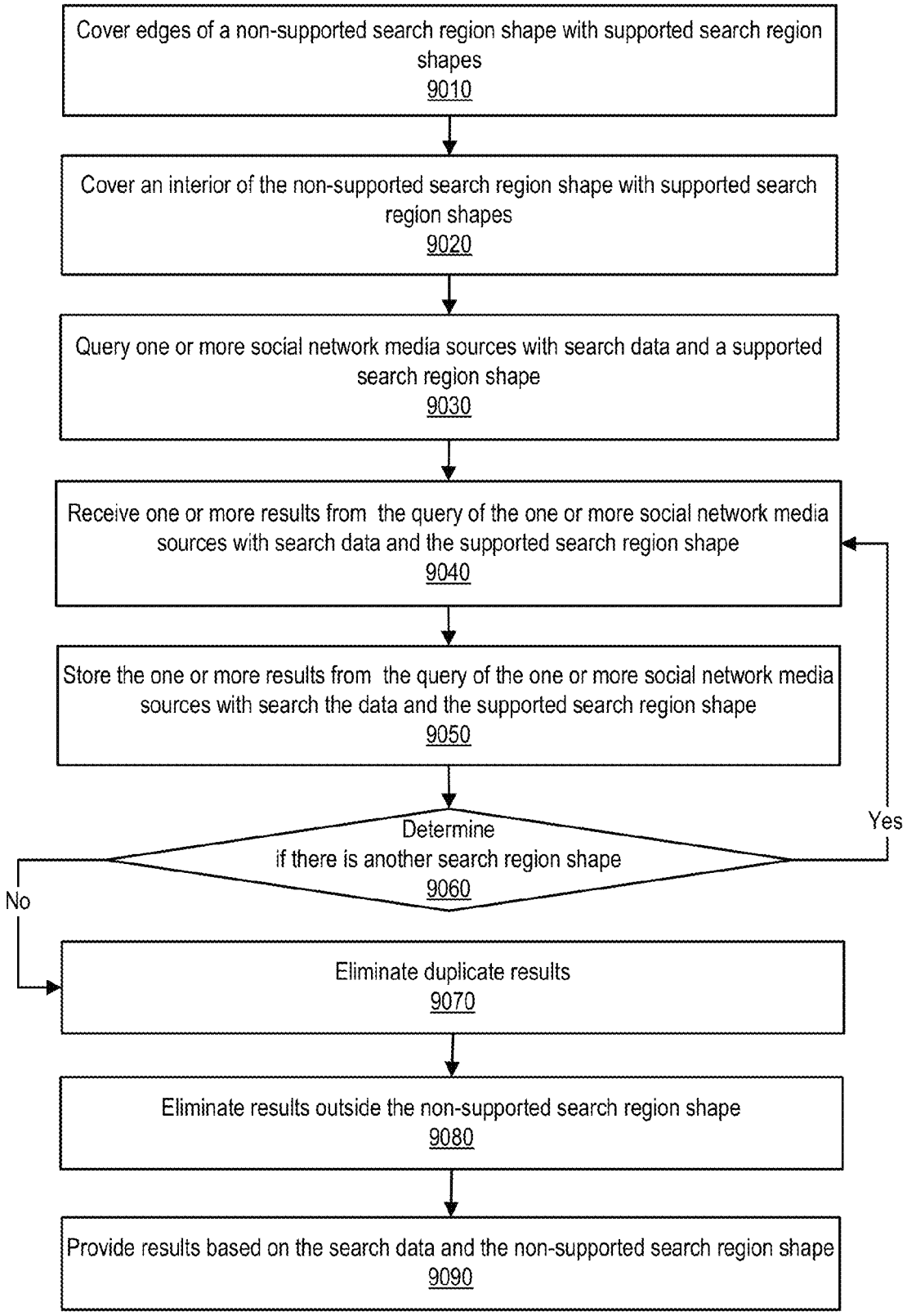

Cover edges of a non-supported search region shape with supported search region shapes
9010
Cover an interior of the non-supported search region shape with supported search region shapes
9020
Query one or more social network media sources with search data and a supported search region shape
9030
Receive one or more results from the query of the one or more social network media sources with search data and the supported search region shape
9040
Store the one or more results from the query of the one or more social network media sources with search the data and the supported search region shape
9050
Determine if there is another search region shape
9060
Yes
No
Eliminate duplicate results
9070
Eliminate results outside the non-supported search region shape
9080
Provide results based on the search data and the non-supported search region shape
9090

FIG. 9

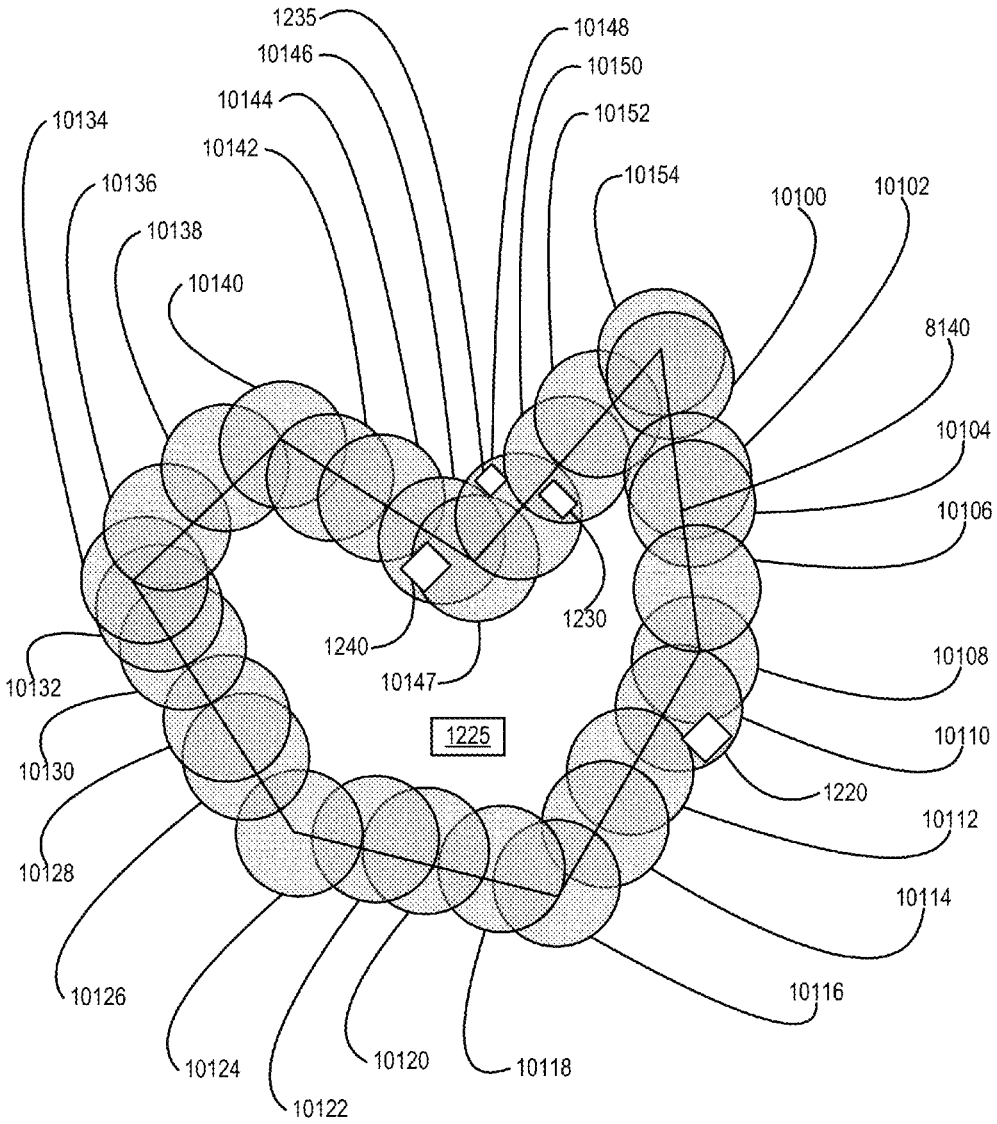

1235
10146
10144
10142
10134
10136
10138
10140
10148
10150
10152
10154
10100
10102
8140
10104
10106
1230
1240
10147
1225
10132
10130
10128
10126
10124
10122
10120
10118
10116
10114
10112
1220
10110
10108

FIG. 10

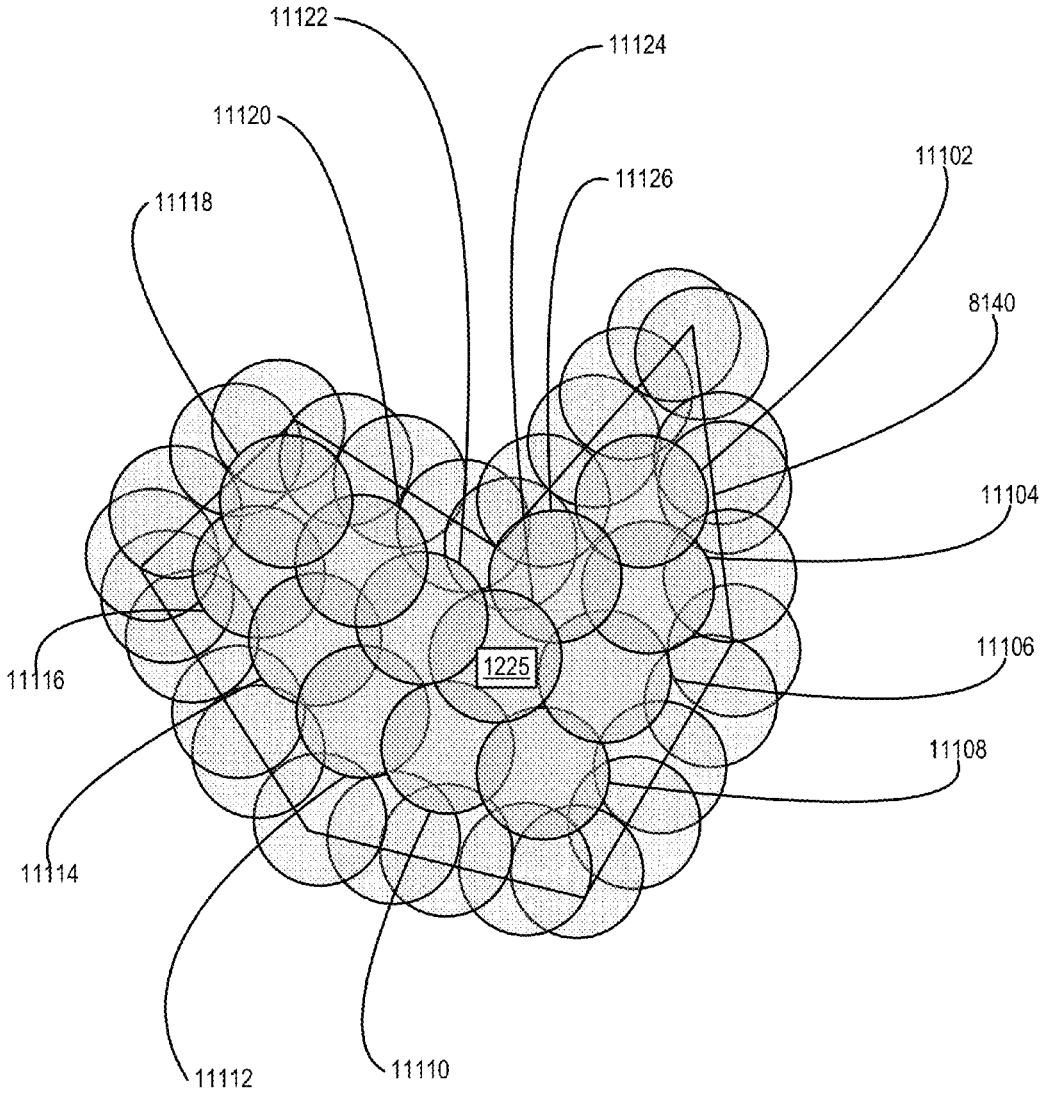

11122
11124
11120
11102
11126
11118
8140
11104
11106
1225
11116
11108
11114
11112
11110

FIG. 11

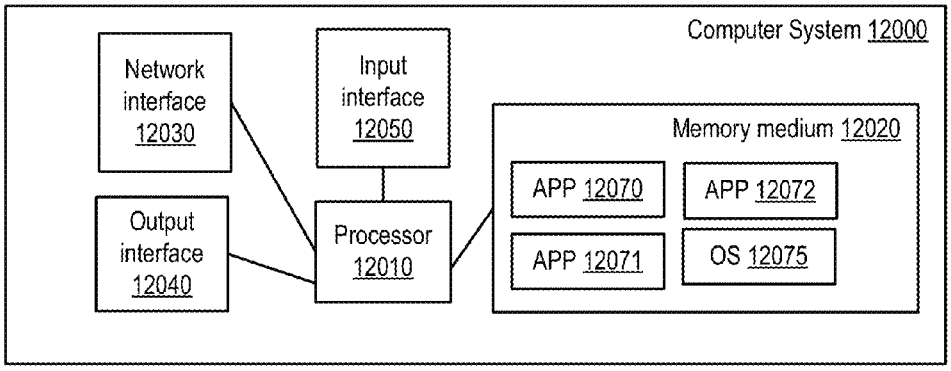

Computer System 12000
Network interface 12030
Input interface 12050
Memory medium 12020
APP 12070
APP 12072
Output interface 12040
Processor 12010
APP 12071
OS 12075

FIG. 12

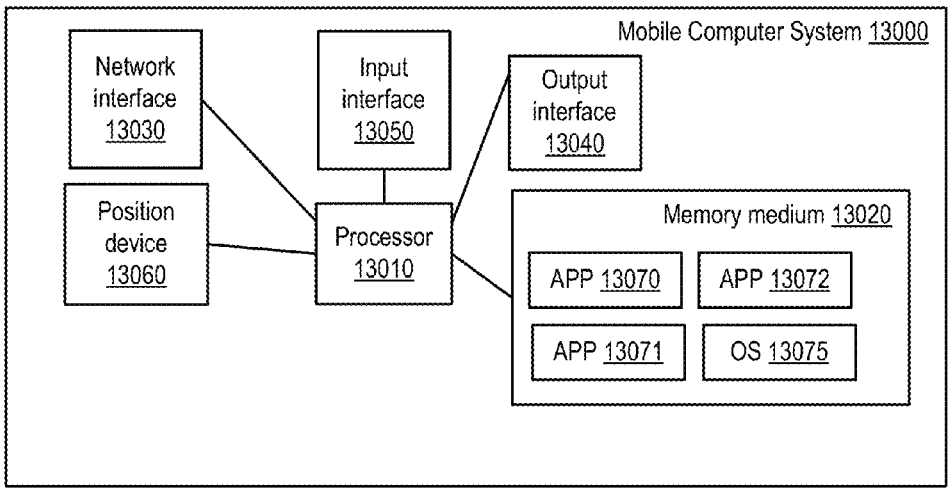
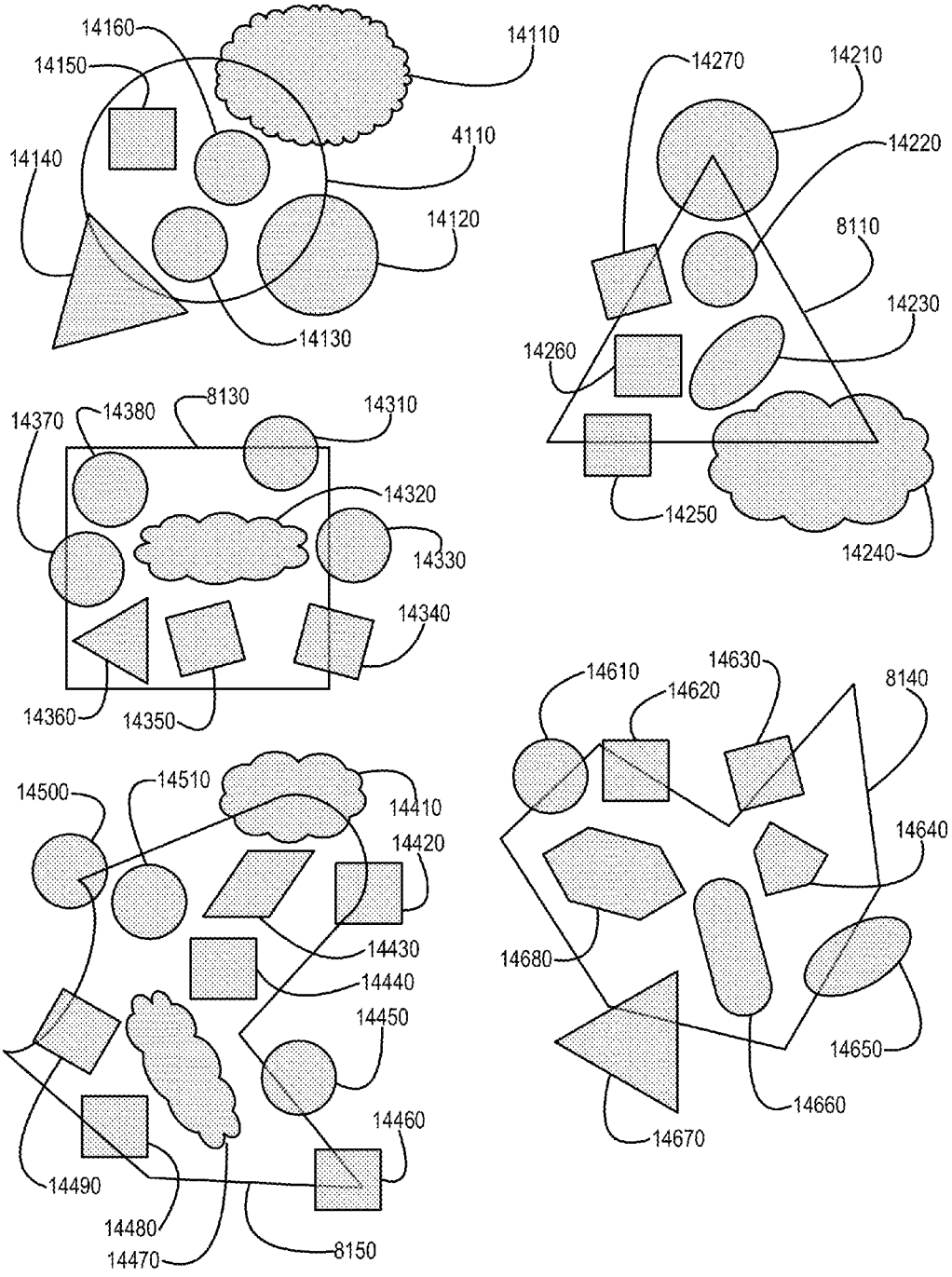

Mobile Computer System 13000
Network interface 13030
Input interface 13050
Output interface 13040
Position device 13060
Processor 13010
Memory medium 13020
APP 13070
APP 13072
APP 13071
OS 13075

FIG. 13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14110
14150
14140
4110
14120
14130
14270
14210
14220
8110
14230
14260
14250
14240
14370
14380
8130
14310
14320
14330
14340
14360
14350
14610
14630
14620
8140
14640
14680
14650
14660
14670
14500
14510
14410
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14450
14460
14490
14480
14470
8150

FIG. 14

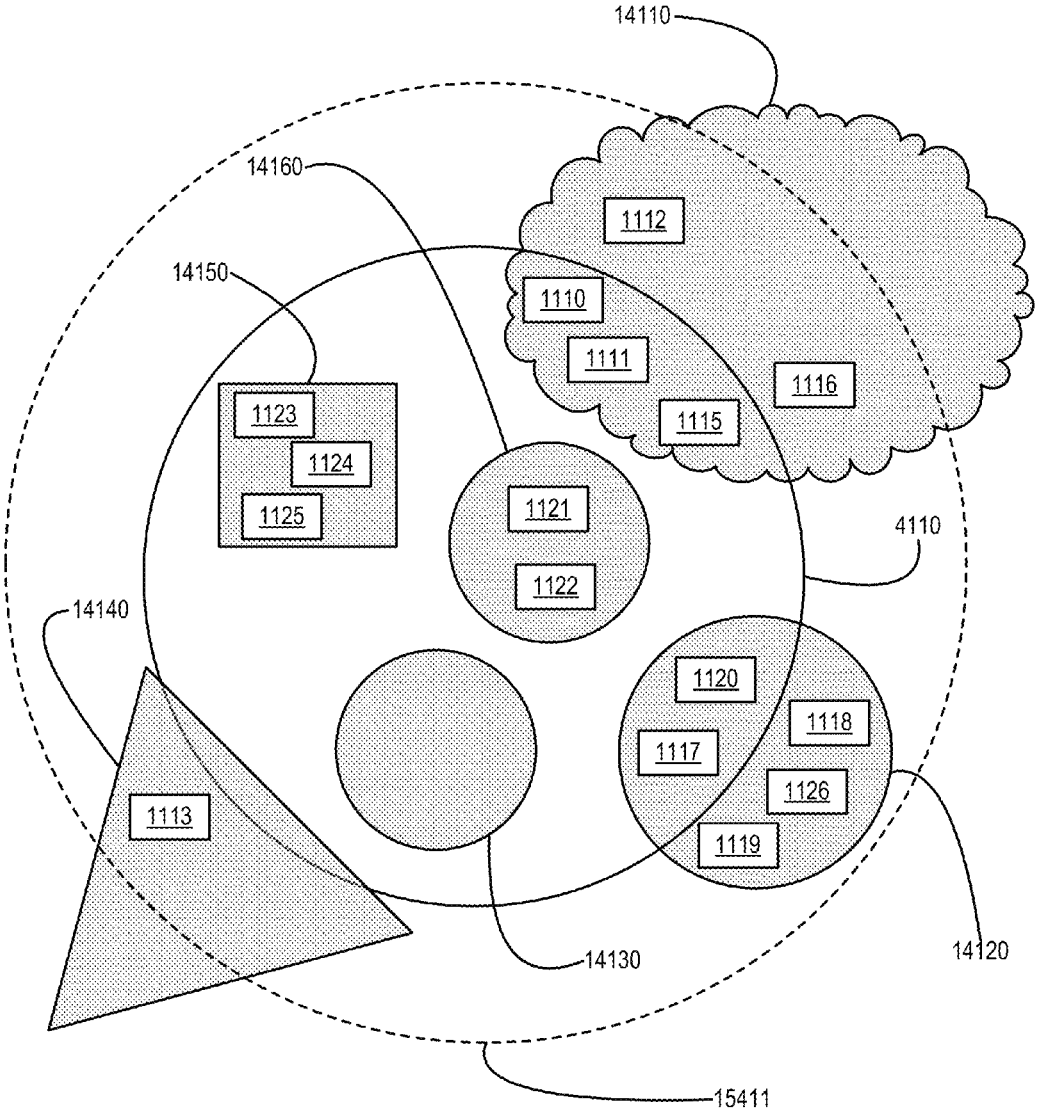
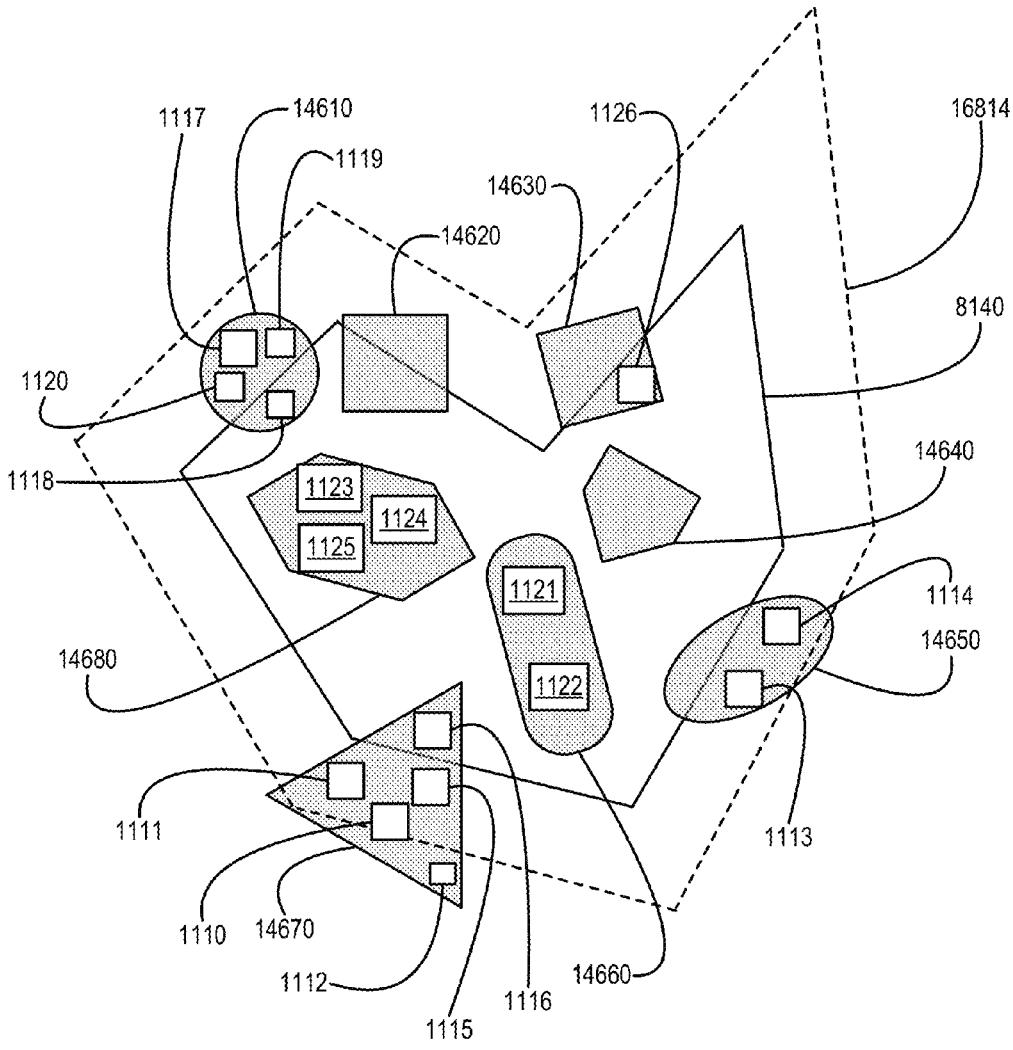

14110
14160
14150
1112
1110
1111
1116
1115
1123
1124
1125
1121
1122
4110
14140
1120
1118
1117
1126
1119
1113
14130
14120
15411

FIG. 15


1117
14610
1119
1126
16814
14630
14620
8140
1120
1118
1123
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1125
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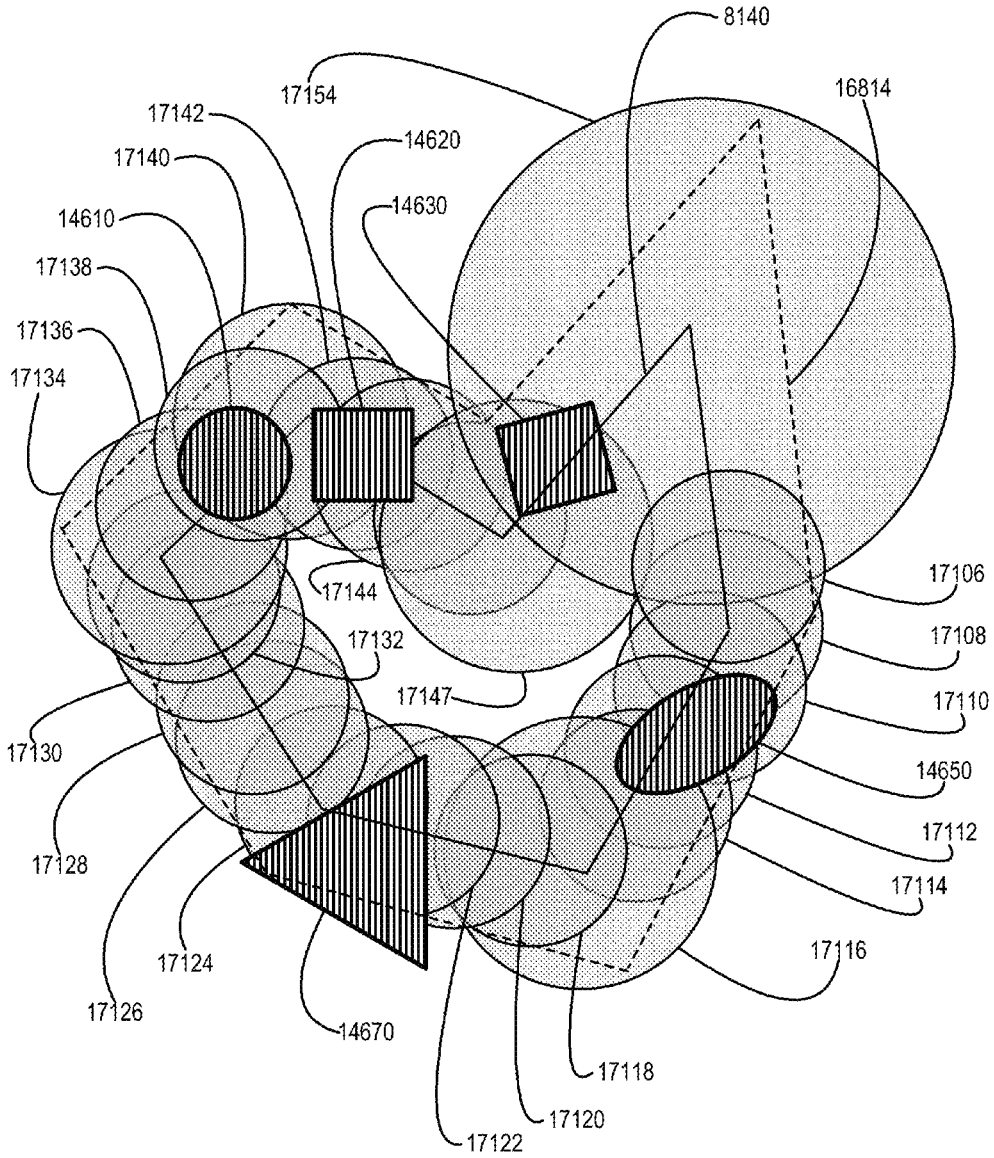
14660
1116
1115

FIG. 16


8140
17154
16814
17142
14620
17140
14630
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17136
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17108
17132
17147
17110
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17124
17116
17126
14670
17118
17120
17122

FIG. 17

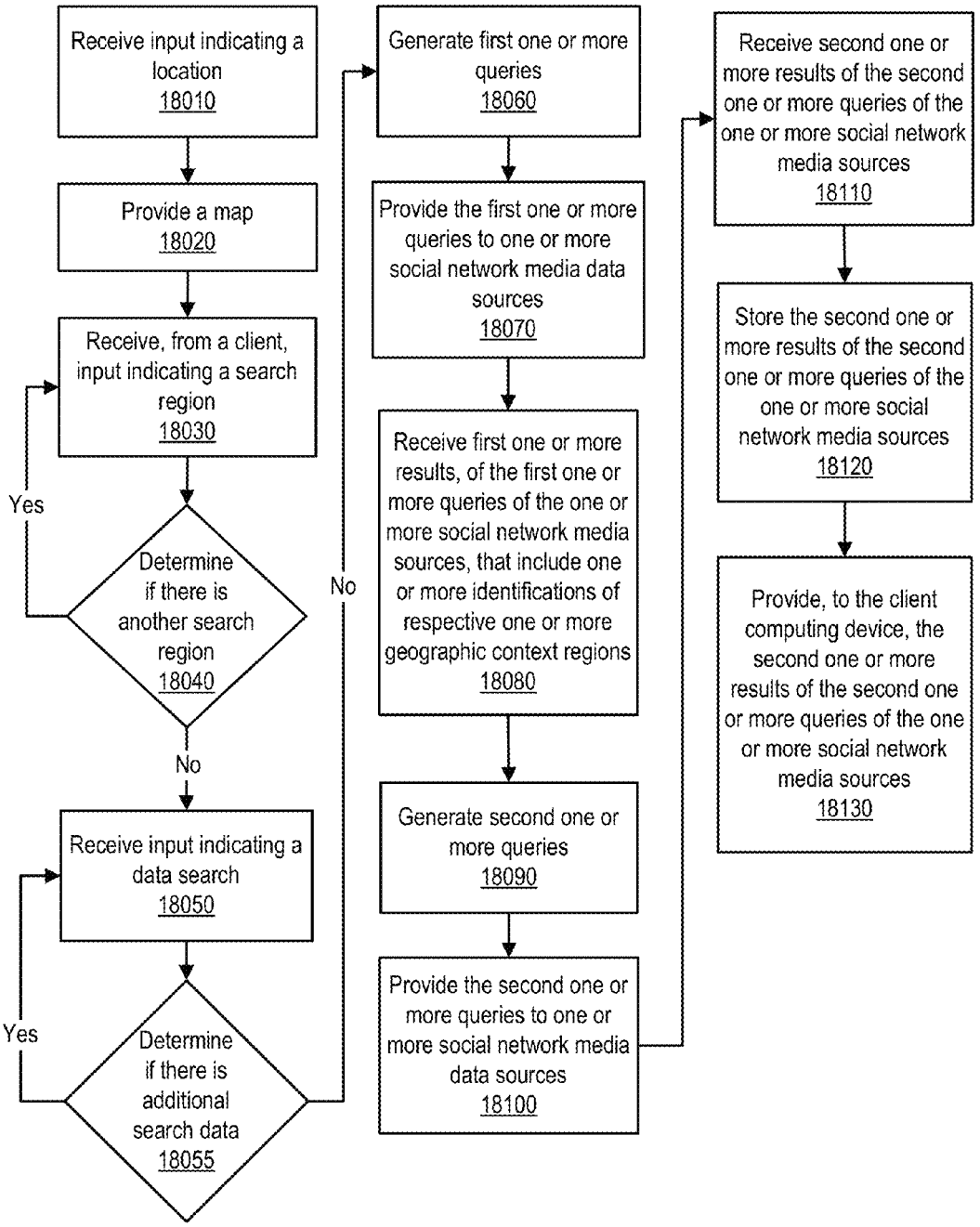
Receive input indicating a location 18010
Provide a map 18020
Receive, from a client, input indicating a search region 18030
Determine if there is another search region 18040
Yes
No
Receive input indicating a data search 18050
Determine if there is additional search data 18055
Yes
No
Generate first one or more queries 18060
Provide the first one or more queries to one or more social network media data sources 18070
Receive first one or more results, of the first one or more queries of the one or more social network media sources, that include one or more identifications of respective one or more geographic context regions 18080
Generate second one or more queries 18090
Provide the second one or more queries to one or more social network media data sources 18100
Receive second one or more results of the second one or more queries of the one or more social network media sources 18110
Store the second one or more results of the second one or more queries of the one or more social network media sources 18120
Provide, to the client computing device, the second one or more results of the second one or more queries of the one or more social network media sources 18130

FIG. 18

METHODS AND SYSTEMS OF AGGREGATING INFORMATION OF GEOGRAPHIC CONTEXT REGIONS OF SOCIAL NETWORKS BASED ON GEOGRAPHICAL LOCATIONS VIA A NETWORK

BACKGROUND

1. Technical Field

This disclosure relates generally to the field of social media data analytics. More specifically, this disclosure relates to the field of analyzing data of one or more social networks with references to geographical locations and geographic context regions of the one or more social networks.

2. Description of the Related Art

Social networks receive data from their users and provide a social structure of sets of individuals, groups, and/or organizations with multiple dyadic associations and/or ties between or among the sets of individuals, groups, and/or organizations. For example, a social network can receive data provided by a user and share the received data with other users affiliated with the user and/or affiliated with other users affiliated with one or more groups and/or organizations. In one instance, the data provided by the user may include a status (e.g., a personal status), a picture, a motion picture (e.g., a video), a rating of a venue, a review of a venue, or an action or activity of the user. In another instance, the data provided by the user may include a message for one or more other users affiliated with and/or related to the user. Massive amounts of useful data have been accumulated on social networks but have not been strongly leveraged for use in security, marketing, or other applications. In particular, the related art has not used geospatial references, location-based context, or a map-based interface in ascertaining the meanings and relevance of this useful data or assisting in drawing conclusions based on the geographical aspects of this data. Moreover, the related art has not utilized geographic context regions of social networks in obtaining and analyzing data associated with the geographic context regions and has not analyzed meanings and relevance of this useful data or assisting in drawing conclusions based on the geographical aspects of this data.

BRIEF DESCRIPTION OF THE DRAWINGS

The embodiments will become apparent upon reading the following detailed description and upon reference to the accompanying drawings as follows:

FIG. **1** provides a block diagram of one or more communications systems, according to one or more embodiments;

FIG. **2** provides a block diagram of a social media query system, according to one or more embodiments;

FIG. **3** provides a method of selecting a geographic area, according to one or more embodiments;

FIGS. **4-8** illustrate search regions of a map, according to one or more embodiments;

FIG. **9** provides an exemplary method of supporting a custom search region shape, according to one or more embodiments;

FIG. **10** illustrates edges of a custom search region shape covered by shapes of search regions supported by a social media data source, according to one or more embodiments;

FIG. **11** illustrates an interior of the custom search region shape covered by shapes of search regions supported by a social media data source;

FIG. **12** provides an exemplary block diagram of a computer system, according to one or more embodiments;

FIG. **13** illustrates a mobile computer system, according to one or more embodiments;

FIG. **14** provides an exemplary diagram of search regions and geographic context regions, according to one or more embodiments;

FIG. **15** provides a first exemplary diagram of a search region, an expanded search region, and geographic context regions that can include respective zero or more computing devices, according to one or more embodiments;

FIG. **16** provides a second exemplary diagram of a search region, an expanded search region, and geographic context regions that can include respective zero or more computing devices, according to one or more embodiments;

FIG. **17** provides an exemplary diagram of expanding a search region shape that is not supported by one or more social media data sources, according to one or more embodiments; and

FIG. **18** provides an exemplary method of querying one or more social media data sources based on one or more geographic context regions, according to one or more embodiments.

While one or more embodiments may be susceptible to various modifications and alternative forms, specific embodiments thereof are shown by way of example in the drawings and will herein be described in detail. It should be understood, however, that the drawings and detailed description thereto are not intended to limit the disclosure to the particular form disclosed, but on the contrary, the disclosure is to cover all modifications, equivalents and alternatives falling within the spirit and scope of this disclosure.

DETAILED DESCRIPTION

In one or more embodiments, systems, methods, and/or processes described herein can provide one or more interfaces that can search and/or filter data of social networks (e.g., Facebook, Twitter, YouTube, Weibo, a blog, a wiki, Foursquare, Instagram, Flickr, Vimeo, Yelp, etc.) with respect to one or more of a geospatial references, location-based contexts, and/or map-based references. For example, user input can be received that can move a searchable eye of variable dimension about a map interface to denote a search region, and data associated with one or more social networks can be searched and/or filtered with respect to the denoted search region. For instance, one or more social networks can be queried with one or more search and/or filter parameters and one or more geographic locations associated with the denoted search region, and one or more results can be received from the one or more social networks, where the results can be based on the one or more search and/or filter parameters and one or more geographic locations associated with the denoted search region.

In one or more embodiments, subject-related groups can be defined and/or categorized by one or more of discussion and affinity criteria, among others. For example, one or more of time/subject phases of dominance by individuals, individual participant relationship to one or more groups, and individuals to their respective network of contacts, among others, can be mapped.

In one or more embodiments, queries can be saved with their geospatial references and their search and/or filter parameters. For example, one or more saved queries can

continue to run and/or execute over one or more periods of time transpiring. In one or more embodiments, queries can be saved with their geospatial references and their search and/or filter parameters. For example, one or more saved queries can continue to run and/or execute over one or more periods of time transpiring. In one or more embodiments, methods, processes, and/or systems can query a social network with one or more search and/or filter parameters and one or more geographic locations associated with a denoted search region. For example, the social network can be queried via an application programming interface (API). For instance, the social network can provide the API. In one or more embodiments, the social network can be queried via a network (e.g., a public network, a private network, etc.), and one or more results of the query can be received via the network. In one example, the API can include a hypertext transfer protocol (HTTP) interface, and the social network can be queried via the HTTP interface. In a second example, the API can include a hypertext transfer protocol secure (HTTPS) interface, and the social network can be queried via the HTTPS interface. In another example, the API can be utilized with one or more secure communication methods, processes, and/or systems. For instance, the API can be utilized with and/or via one or more of a virtual private network, a secure tunnel, a secure socket layer (SSL), and a transport layer security (TLS) protocol, among others.

In one or more embodiments, the one or more results of the query of the social network can be provided to a user as the one or more results become available from the social network. For example, the one or more results can be provided to a user via a user interface (e.g., a graphical user interface) as the one or more results become available from the social network.

In one or more embodiments, the one or more results of a query of the social network can be received over one or more periods of time transpiring. For example, one or more queries can be provided to a social media network data source (e.g., a data source that can store social media network data), the one or more queries can be saved (e.g., stored) with their geospatial references and their search and/or filter parameters, an amount of time can transpire, the one or more queries can be retrieved (e.g., retrieved from storage), the one or more queries can be provided (again, in a repeated fashion, etc.) to the social media network data source, and one or more search results can be received from the social media network data source. For instance, running and/or executing one or more saved queries can provide continual and/or periodic reporting.

In one or more embodiments, one or more methods, processes, and/or systems, described herein, can utilize one or more event-driven one social network media data source methods, processes, and/or systems. In one example, one or more events can be generated (e.g., a data ready event, a timer event, a timeout event, a periodic timer event, a processing system ready event, a data send event, etc.), and one or more event handlers can perform one or more methods and/or processes in response to the one or more events. In one instance, the one or more event handlers can receive and/or process data associated with the one or more events. In a second instance, the one or more event handlers can provide data in response to the one or more events. In another instance, the one or more event handlers can generate one or more additional events in response to the one or more events.

In one example, a data ready event can be generated when data has been received from a social media network data source, and a data ready event handler can process the data received from the social media network data source. In a second example, a timeout event can be generated, and a timeout event handler can retrieve (e.g., retrieve from storage) one or more queries saved queries and can provide the one or more queries saved queries to a social media network data source. In one instance, a timer can be set with an amount of time to transpire, and the timeout event can be generated in response to the amount of time transpiring. In another instance, a timer can be set with a time (e.g., 10:30, 16:45 on 11 Dec. 2012, 23:02 on 26 July, etc.), and the timeout event can be generated in response to the time occurring.

In another example, a periodic timeout event can be generated, and a periodic timeout event handler can retrieve (e.g., retrieve from storage) one or more queries saved queries and can provide the one or more queries saved queries to a social media network data source. In one instance, a periodic timer can be set with an amount of time to transpire, and the periodic timeout event can be generated in response to the amount of time transpiring. In one or more embodiments, the periodic timeout event can be generated, repeatedly, in response to each repetition of the amount of time transpiring. For, one or more methods, processes, and/or systems, described herein, can query a social media data source at a time interval.

In one or more embodiments, one or more methods, processes, and/or systems, described herein, can query the social network in a continuous fashion. For example, the social network can be queried until one or more results are received or until an amount of time has transpired. For instance, one or more methods, processes, and/or systems, described herein, can query the social network in a background process and/or in an automated batch. For example, one or more saved queries can continue to run and/or execute over one or more periods of time transpiring. For instance, running and/or executing one or more saved queries can provide continual and/or periodic reporting.

In one or more embodiments, methods, processes, and/or systems, described herein, can provide and/or implement one or more user interfaces. For example, the one or more user interfaces can provide one or more of social network query results, statistical analyses of data from the social network query results, one or more charts (e.g., a chart illustrating a number of results returned vs. each time the query was performed), a review of results determined and content that was saved, and/or some or all of the social network query results layered over a map, among others. In one or more embodiments, one or more of social network query results and statistical analyses of data from the social network query results, among others, can be utilized in training a neural network. For example, trainable data sets can be utilized for pattern initial guidance. For instance, one or more methods and/or processes can be trained from data sets and can automatically acquire an artificial intelligence to increase one or more of group, individual, and intent mapping aptitude over a period of time.

In one or more embodiments, one or more methods, processes, and/or systems, described herein, can query one or more social media data sources for one or more geographic context regions. For example, one or more social media data sources can group one or more users via one or more geographic context regions. In one or more embodiments, a search region can be expanded to query one or more social media data sources for one or more geographic context regions. For example, a search region can be expanded to determine one or more geographic context regions that intersect, in whole or in part, the search region.

In one or more embodiments, determining one or more geographic context regions that intersect a search region can be utilized to determine and/or discover additional users of one or more social media data sources that may not be provided via querying the one or more social media data sources based on the search region. For example, querying the one or more social media data sources based on the search region may only provide users that are associated with a single geographic context region. For instance, querying the one or more social media data sources based on one or more geographic context regions that intersect a search region can provide all, if not most, users that are associated with the search region.

Turning now to FIG. **1**, one or more network systems are illustrated, according to one or more embodiments. As shown, one or more social media data sources **1610-1640** can be coupled to a network **1010**. In one or more embodiments, a social media data source (which can also be referred to as a social network media data source) can include a social media service and/or one or more computer systems that are operated and/or controlled by the social media service. For example, the social media service can provide and/or include one or more web-based interfaces (e.g., one or more websites and/or one or more network-based application programming interfaces) and/or mobile-based technologies and/or services that can facilitate and/or implement communications and/or interactive dialogues among related individuals, organizations, and/or communities, among others. For instance, the social media service can provide and/or implement Internet-based applications (e.g., websites, network-based programming interfaces, etc.) that can facilitate and/or provide a creation and/or an exchange of user input (e.g., user-generated data, user-provided content, etc.). In one example, social media data sources **1610-1640** can include Facebook, Twitter, YouTube, and Weibo. In another example, the social media data sources can include MySpace, Friendster, a blog, a wiki, Foursquare, Instagram, Flickr, Vimeo, and Yelp, among others.

In one or more embodiments, one or more of social media data sources **1610-1640** can provide application programming interfaces that provide functionalities that can receive one or more queries and can provide social media data corresponding to and/or associated with the one or more queries. For example, social media data source **1610** can receive a query associated with one or more of a word, a phrase, a user profile, a portion of a user profile, a regular expression, a natural language filter, a grammar (e.g., a set of formation rules for strings in a language, a context-free grammar, a regular grammar, a tree-adjoining grammar, an affix grammar, an attribute grammar, an adaptive grammar, an ambiguous grammar, a categorical grammar, etc.), a social group, an organization, a user identification, and/or a location, among others, and can provide social media data that is associated with and/or corresponds to at least one of the word, the phrase, the grammar, the regular expression, the user profile, the portion of the user profile, the social group, the organization, the user identification, and the location. For instance, social media data source **1610** can receive a query associated with one or more locations and provide the location-based social media data matching that query via network **1010**. In one or more embodiments, a user profile can include one or more of a user name, a user identification, a mobile telephone number, an email address, a physical address, an occupation, a gender, a marital status, a past purchase, an interest, a past transaction, a shoe size, an age, one or more clothing sizes, a political affiliation, a monthly include, a yearly income, an employment status, a credit history, a credit rating, an eye color, a hair color, a music genre, and a membership, among others.

As illustrated, computing devices (CDs) **1110-1112** and an access point (AP) **1410** can be at and/or associated with a location **1210**, and CDs **1110-1112** can be coupled to AP **1410** that can be coupled to network **1010**. In one or more embodiments, AP **1410** can communicate with one or more computing devices in one or more of a wired fashion and a wireless fashion. In one example, AP **1410** can communicate with one or more of CDs **1110-1112** in a wired fashion. For instance, AP **1410** can communicate with CDs **1110-1112** via one or more of wired Ethernet, fiber optics, wired universal serial bus (USB), digital subscriber loop (DSL), and coaxial cable (e.g., cable TV), among others.

In another example, AP **1410** can communicate with one or more of CDs **1110-1112** in a wireless fashion. For instance, AP **1410** can communicate with CDs **1110-1112** via one or more of wireless Ethernet (e.g., WiFi), Institute of Electrical and Electronics Engineers (IEEE) 802.11, IEEE 802.16, WiMAX, Bluetooth, IEEE 802.15, ZigBee, Z-Wave, ultra wideband, IEEE 802.15.4, and wireless USB, among others. In one or more embodiments, an AP can include a transceiver to communicate with computing devices utilizing one or more wireless methods, processes, wireless spectrums (e.g., frequency ranges), protocols, and/or systems. For example, an AP can communicate with computing devices utilizing ISM (industrial, scientific and medical) bands. For instance, an ISM band can include a frequency range of 6.765-6.795 Mhz, 433.05-434.79 Mhz, 902-928 Mhz, 2.4-2.5 Ghz, 5.725-5.875 Ghz, or 24.0-24.25 Ghz, among others.

As shown, CDs **1113** and **1114** can be at and/or associated with a location **1215**, CDs **1113** and **1114** can be coupled to an AP **1420** that can be coupled to network **1010**. In one or more embodiments, AP **1420** can include one or more structures and/or functionalities described with reference to AP **1410**. For example, AP **1420** can communicate with one or more computing devices in one or more of a wired fashion and a wireless fashion. As illustrated, AP **1420** may not be at and/or associated with a location **1215**, according to one or more embodiments.

As shown, CDs **1115** and **1116** can be at and/or associated with a location **1220**, and CDs **1115** and **1116** can be coupled to a wireless telephone network node (WTNN) **1510** that can be coupled to network **1010**. In one example, WTNN **1510** can include one or more of a base station subsystem (BSS), a base station controller (BSC), and a base transceiver station (BTS) that can be coupled to network **1010**. In a second example, WTNN **1510** can include one or more of a radio network controller (RNC) and a Node B. For instance, a Node B can include and/or denote a BTS of a universal mobile telecommunications system (UMTS) and can include one or more transmitters, one or more receivers, one or more transceivers, and/or one or more antennas. In another example, a WTNN can include a satellite that can orbit a planet (e.g., Earth) and can be wirelessly coupled to network **1010**. For instance, the WTNN can orbit the planet in a low planetary orbit (e.g., a low Earth orbit), a medium planetary orbit (e.g., a medium Earth orbit), a geostationary orbit, a high planetary orbit (e.g., a high Earth orbit), a semi-synchronous orbit, or a geosynchronous orbit, among others.

In one or more embodiments, a WTNN can communicate with one or more computing devices via one or more protocols such as one or more of wideband code division multiple access (WCDMA), time division synchronous code division multiple access (TD-SCDMA), code division mul-

tiple access (CDMA), time division multiple access (TDMA), GSM (global system for mobile communications), long term evolution (LTE), general packet radio service (GPRS), enhanced GPRS (EGPRS), frequency division multiple access (FDMA), and enhanced data rates for GSM evolution (EDGE), among others. In one or more embodiments, a WTNN can include one or more transmitters, one or more receivers, one or more transceivers, one or more antennas, and/or one or more cryptography devices that can be used to wirelessly communicate with one or more computing devices. In one example, the one or more antennas of the WTNN can be mounted on a mast, on a tower (e.g., a cellular telephone communications tower), on a side of a structure (e.g., a building, a parking garage, a lamp post, etc.), and/or on a roof of a building, among others.

As illustrated, CD **1117-1119** and a WTNN **1520** can be at and/or associated with a location **1225**, and CDs **1117-1119** can be coupled to WTNN **1520** that can be coupled to network **1010**. In one or more embodiments, WTNN **1520** can include one or more structures and/or functionalities described with reference to WTNN **1510**. As shown, CDs **1120-1122** can be at and/or associated with respective locations **1230-1240**, and CDs **1120-1122** can be coupled to a WTNN **1530** that can be coupled to network **1010**. In one or more embodiments, WTNN **1530** can include one or more structures and/or functionalities described with reference to WTNN **1510**. As shown, WTNN **1530** may not be at and/or associated with one or more of locations **1230-1240**, according to one or more embodiments.

As illustrated, CD **1123-1125** can be at and/or associated with a location **1245**, and CDs **1123-1125** can be coupled to WTNN **1540** that can be coupled to network **1010**. In one or more embodiments, WTNN **1540** can include one or more structures and/or functionalities described with reference to WTNN **1510**. As shown, WTNN **1540** may not be at and/or associated with location **1245**, according to one or more embodiments. As illustrated, a computing device (CD) **1126** can be at and/or associated with a location **1250**, and CD **1126** can be coupled to a WTNN **1550** that can be coupled to network **1010**. In one or more embodiments, WTNN **1550** can include one or more structures and/or functionalities described with reference to WTNN **1510**. As shown, WTNN **1550** may not be at and/or associated with location **1250**, according to one or more embodiments. As illustrated, one or more CDs **1130-1132** can be coupled to network **1010**.

In one or more embodiments, network **1010** and/or network **1014** can include a wired network, a wireless network or a combination of wired and wireless networks. Network **1010** and/or network **1014** can include and/or be coupled to various types of communications networks, such as a public switched telephone network (PSTN), an Internet, a wide area network (WAN) (e.g., a private WAN, a corporate WAN, a public WAN, etc.), a local area network (LAN), etc. In one or more embodiments, NMD **1020** can be coupled to a PSTN, e.g., Ethernet cable and DSL; a cable (television) based network; a satellite-based system; and/or a fiber based network; among others. In one or more embodiments, network **1010** can include one or more wireless networks, e.g., based on IEEE 802.11 and/or IEEE 802.16.

In one or more embodiments, network **1010** can be or include a communications network. In one example, network **1010** can be or include multiple networks and/or can be coupled to one or more other networks. For instance, network **1010** can be, include, or form part of a WAN. For instance, the WAN can include one or more of a private WAN, a corporate WAN, and a public WAN (e.g., an Internet), among others. In another example, network **1010** can be or include a telephone network. In one instance, network **1010** can be or include a PSTN. In a second instance, network **1010** can be or include a wired telephone network. In another instance, network **1010** can be or include a wireless telephone network (e.g., a cellular telephone network, a satellite telephone network, etc.).

In one or more embodiments, network **1010** can include and/or be coupled to various types of communications networks. For example, network **1010** can include and/or be coupled to a PSTN, an Internet, a WAN (e.g., a private WAN, a corporate WAN, a public WAN, etc.), and/or a LAN, among others. In one or more embodiments, network **1010** can include a wired network, a wireless network or a combination of wired and wireless networks. In one example, network **1010** can include and/or be coupled to coupled to a wired PSTN, a DSL network, a cable (television) based network, a satellite-based system and/or network, and/or a fiber based network; among others. In another example, network **1010** can include and/or be coupled to one or more wireless networks, e.g., based on IEEE 802.11, based on IEEE 802.16, based on a wireless PSTN, based on a wireless telecommunications network, etc.

In one or more embodiments, a network system can be or include a communication system. For example, a network system can be operated by a network provider. For instance, a first network system can be operated by a first network provider (e.g., AT&T, T-Mobile, Iridium Communications, Verizon Wireless, Globalstar, etc.), and a second network system can be operated by a second network provider (e.g., Time-Warner Cable, Wayport, Boingo, Qwest, CLEAR, Grande Communications, Cox, EarthLink, etc.).

In one or more embodiments, one or more of CDs **1110-1126** can be or include any of various types of devices, including a computer system, such as a desktop computer system, a portable computer, a laptop computer system, a personal digital assistant (PDA), a smart phone, a wireless telephone (e.g., a cellular telephone, a satellite telephone, etc.), a digital music player, a tablet computing device, a wearable computing device, a communications device, or other wired or wireless device. In one example, a first user can utilize CD **1110** at location **1210**. For instance, CD **1110** can be or include a laptop computing device. In a second example, a second user can utilize CD **1111** at location **1210**. For instance, CD **1111** can be or include a tablet computing device. In a third example, a third user can utilize CD **1113** at location **1215**. For instance, CD **1113** can be or include a personal digital assistant. In another example, a fourth user can utilize CD **1115** at location **1220**. For instance, CD **1115** can be or include a wireless telephone.

In one or more embodiments, respective users of CDs **1110**, **1111**, **1113**, and **1115**, at and/or associated with respective locations, can provide data to one or more social media services, where the user-provided data can be associated with and/or correspond to the respective locations. In one example, the first user can utilize CD **1110** to update a status (e.g., a personal status) on a first social media service (e.g., associated with social media data source **1610**) such that the updated status corresponds to a location of CD **1110**. For instance, the updated status and information associated with location **1210** can be stored by first social media service such that the updated status is associated with location data such that the updated status corresponds to location **1210**. In a second example, the second user can utilize CD **1111** to upload a picture and/or a motion picture (e.g., a video) to a second social media service (e.g., associated with social media data source **1620**). For instance, the picture and/or the

motion picture and information associated with location **1210** can be stored by second social media service such that the picture and/or the motion picture corresponds to location **1210**. In a third example, the third user can utilize CD **1113** to rate and/or review a venue (e.g., a restaurant, a coffee shop, a movie theatre, a car wash, etc.) on a third social media service (e.g., associated with social media data source **1630**). For instance, the rating and/or the review and information associated with location **1215** can be stored by third social media service such that the rating and/or the review correspond to location **1215**.

In another example, the fourth user can utilize CD **1115** to update an action and/or activity on a fourth social media service (e.g., associated with social media data source **1640**). In one instance, the action and/or the activity and information associated with location **1220** can be stored by the fourth social media service such that the action and/or the activity corresponds to location **1220**. In another instance, the action and/or the activity can be related to the fourth user (e.g., entering a football stadium) or can be related to actions and/or activities of others in the vicinity of location **1220** (e.g., gunshot(s) fired, car crash, a parade, etc.). In yet another instance, the action and/or the activity can be related to the environment in the vicinity of location **1220** (e.g., building fire, brush fire, gas leak, explosion, lightening storm, earthquake, etc.).

In one or more embodiments, a location (e.g., a location of locations **1210-1250**), associated with and/or corresponding to a computing device, can be determined. For example, a location, described herein, can be or include a geographical location. For instance, a location (e.g., a location of locations **1210-1250**) can include one or more of a street number, a street, a zip code, a city, a state, a country, a unit identifier (e.g., a suite identifier, a condominium identifier, a hospital room identifier, an apartment identifier, a gate identifier of an airport, an airport identifier, etc.), a cell identification (cell ID or CID associated with a cellular telephone network), latitude information, longitude information, and altitude information, among others. In one or more embodiments, a location can be, include, or be associated with one or more of a voting district, a congressional district, a school district, a school, a campus, a dormitory, an oil pipeline, a sports complex, a police precinct, a piece of real estate, a neighborhood, a borrow, a city, a town, a commercial office building, a floor of a building, a factory, a refinery, a storage facility, a power station, a power substation, and a military installation, among others.

In one or more embodiments, a location (e.g., a location of locations **1210-1250**) can be determined based on a location of an AP communicating with a computing device. For example, one or more of CDs **1110-1112** can communicate with AP **1410**, which is associated with and/or corresponding to location **1210**, and can be determined to be at and/or associated with location **1210**. In one or more embodiments, a location (e.g., a location of locations **1210-1250**) can be determined based on a location of a WTNN communicating with a computing device. For example, one or more of CDs **1117-1119** can communicate with WTNN **1520**, which is associated with and/or corresponding to location **1225**, and can be determined to be at and/or associated with location **1225**.

In one or more embodiments, a location (e.g., a location of locations **1210-1250**) can be determined based on locations of multiple wireless telephone network nodes (WTNNs) communicating or being capable of communicating with a computing device. For example, CD **1122** can communicate or can be capable of communicating with two or more of WTNNs **1530-1550**, and a location of CD **1122** (e.g., location **1240**) can be determined based on two or more of WTNNs **1530-1550** and their locations. In one instance, a location of a computing device can be determined via multilateration which is a navigation technique that utilizes measurements of differences in distances to two or more WTNNs, at previously determined or known locations, that broadcast one or more signals at previously determined or known times. In a second instance, a location of a computing device can be determined via trilateration which is a navigation technique that utilizes distances or absolute measurements of time-of-flight from three or more WTNNs. In another, a location of a computing device can be determined via triangulation which is a navigation technique that utilizes measurements of absolute angles. In one or more embodiments, a computing device and/or a network operator can utilized multiple WTNNs in determining a location of the computing device.

In one or more embodiments, a location of a computing device is determined utilizing data from a positioning device and/or mechanism. For example, the computing device can include a global positioning system (GPS) device and/or mechanism, and the computing device can communicate its location information, from the GPS device and/or mechanism, to a social media data source. In one or more embodiments, a location of a computing device can be determined utilizing a network address utilized by the computing device. For example, the network address can include an Internet protocol (IP) address or other address utilized by the computing device and/or an IP address or other address of a gateway associated with the computing device. In one instance, a database can include multiple IP addresses that correspond to multiple locations, and the database can be queried with an IP address and can provide a location based on the IP address. In another instance, the network address can be or include a network address of a communication system.

In one or more embodiments, a computing device that is communicating with a social network can provide a location of the computing device to the social network. In one example, the computing device can provide latitude and longitude information, from a GPS device and/or mechanism, to the social network. In another example, the computing device can provide one or more of street number information, street information, zip code information, city information, state information, and country information, among others, to the social network.

In one or more embodiments, user-provided data (e.g., user-provided content, user input, user-provided pictures, user-provided motion pictures, user-provided videos, communications and/or interactive dialogues among related individuals, organizations, and/or communities, user status updates, posts to one or more social network services, one or more blog entries, etc.) can be correlated and/or associated with a location of a computing device, utilized by a user, that provides the user-provided data to a social media service via a network. In one example, first user input can be correlated and/or associated with a first location of a first computing device, utilized by a first user, that provides the first user input to a first social media service via network **1010**. For instance, the first user input can be correlated and/or associated with location **1210** of CD **1110**, utilized by the first user, that provides the first user input to a first social media service via network **1010**.

In a second example, second user input can be correlated and/or associated with a second location of a second computing device, utilized by a second user, that provides the

second user input to a second social media service via network **1010**. For instance, the second user input can be correlated and/or associated with location **1215** of CD **1113**, utilized by the second user, that provides the second user input to a second social media service via network **1010**. In a third example, third user input can be correlated and/or associated with a third location of a third computing device, utilized by a third user, that provides the third user input to a third social media service via network **1010**. For instance, the third user input can be correlated and/or associated with location **1245** of CD **1123**, utilized by the third user, that provides the third user input to a third social media service via network **1010**.

In a fourth example, fourth user input can be correlated and/or associated with the first location of a fourth computing device, utilized by a fourth user, that provides the fourth user input to a fourth social media service via network **1010**. For instance, the fourth user input can be correlated and/or associated with location **1210** of CD **1111**, utilized by the fourth user, that provides the fourth user input to a fourth social media service via network **1010**. In a fifth example, fifth user input can be correlated and/or associated with a fifth location of a fifth computing device, utilized by a fifth user, that provides the fifth user input to the first social media service via network **1010**. For instance, the fifth user input can be correlated and/or associated with location **1240** of CD **1122**, utilized by the fifth user, that provides the fifth user input to a fifth social media service via network **1010**. In a sixth example, sixth user input can be correlated and/or associated with the second location of a sixth computing device, utilized by a sixth user, that provides the sixth user input to the second social media service via network **1010**. For instance, the sixth user input can be correlated and/or associated with location **1215** of CD **1114**, utilized by the sixth user, that provides the sixth user input to a sixth social media service via network **1010**.

In one or more embodiments, user input correlated and/or associated with a location of a computing device can be provided to a social media service via one or more of a web interface, a post (e.g., a HTTP POST), a get (e.g., a HTTP GET), a smart phone application, a tablet application, a digital music player application, a personal digital assistant application, an application for a personal computer (e.g., a desktop computer, a notebook computer, etc.), and an application for a virtual machine, among others.

Turning now to FIG. **2**, a social media query system is illustrated, according to one or more embodiments. As shown, one or more of CDs **1130-1132** and/or one or more of social media data sources **1610-1640** can be coupled to network **1010**. In one or more embodiments, one or more of CDs **1130-1132** can be or include one or more clients of the social media query system. For example, one or more of CDs **1130-1132** can provide one or more queries to one or more API servers **2020-2024** via network **1010** and via a load balancer **2010**. For instance, load balancer **2010** can distribute queries between or among two or more API servers in accordance with one or more load balancing methods and/or processes.

As illustrated, API servers **2020-2024** can be coupled to network **1010**. In one or more embodiments, one or more API servers **2020-2024** can query one or more social media data sources **1610-1640**. For example, one or more API servers **2020-2024** can receive one or more live queries from one or more of CDs **1130-1132** and can query one or more social media data sources **1610-1640**, via network **1010**, to provide one or more responses to the live queries. For instance, a live query can include a query for data that has not been archived.

In one or more embodiments, one or more API servers **2020-2024** can utilize one or more network monitors and/or packet analyzers (not shown) to monitor network traffic on network **1010** and capture network packets en route to one or more social media data sources **1610-1640** including information related to a query. For example, one or more API servers **2020-2024** can receive one or more queries from one or more of CDs **1130-1132** and intercept network packets destined for one or more social media data sources **1610-1640** via network **1010** to provide one or more responses to the queries based on content of the captured network packets.

In one or more embodiments, data provided to the social media services can be associated with and/or correspond to respective locations of computing devices that provided the data, and API servers **2020-2024** can query the one or more social media services to determine information associated with and/or corresponding to the data provided to the social media services and respective locations of the computing devices that provided the data. In one example, API server **2020** can provide, to social media data source **1610**, a first query associated with one or more of a first word, first words, a first phrase, a first user profile, a portion of the first user profile, a first grammar, a first regular expression, a first social group, a first organization, a first user identification, and a first location, among others, and receive social media data that is associated with and/or corresponds to at least one of the first word, the first words, the first phrase, the first user profile, the portion of the first user profile, the first grammar, the first regular expression, the first social group, the first organization, the first user identification, and the first location. For instance, API server **2020** can provide the first query to social media data source **1610** via network **1010** and can receive the first social media data from social media data source **1610** via network **1010**.

In a second example, API server **2022** can provide, to social media data source **1620**, a second query associated with one or more of a second word, second words, a second phrase, a second user profile, a portion of the second user profile, a second grammar, a second regular expression, a second social group, a second organization, a second user identification, and a second location, among others, and receive second social media data that is associated with and/or corresponds to at least one of the second word, the second words, the second phrase, the second user profile, the portion of the second user profile, the second grammar, the second regular expression, the second social group, the second organization, the second user identification, and the second location. For instance, API server **2022** can provide the second query to social media data source **1620** via network **1010** and can receive the second social media data from social media data source **1620** via network **1010**.

In another example, API server **2024** can provide, to social media data source **1630**, a third query associated with one or more of a third word, third words, a third phrase, a third user profile, a third portion of the third user profile, a third grammar, a third regular expression, a third social group, a third organization, a third user identification, and a third location, among others, and receive third social media data that is associated with and/or corresponds to at least one of the third word, the third words, the third phrase, the third user profile, the portion of the third user profile, the third grammar, the third regular expression, the third social group, the third organization, the third user identification, and the

third location. For instance, API server **2024** can provide the third query to social media data source **1630** via network **1010** and can receive the third social media data from social media data source **1630** via network **1010**.

In one or more embodiments, social media data from a social media data source can be stored in a database (DB). For example, one or more of the first social media data from social media data source **1610**, the second social media data from social media data source **1620**, and the third social media data from social media data source **1630** can be stored in a transactional DB **2030**. In one or more embodiments, transactional DB **2030** can provide social media data from a social media data source to one or more of a read only DB **2032** and an archive DB **2034**. In one example, read only DB **2032** can be utilized for queries associated with and/or corresponding to data that has been received from a social media data source. For instance, read only DB **2032** can be utilized to off-load queries from transaction DB **2030**. In a second example, archive DB **2034** can be utilized for long-term storage of queries associated with and/or corresponding to data that has been received from a social media data source. In another example, archive DB **2034** can be utilized for queries over a period of time.

In one or more embodiments, one or more of transactional DB **2030**, read only DB **2032**, and archive DB **2034** can include and/or be implemented via multiple computing devices and/or multiple databases. In one example, transactional DB **2030** can include at least one computer system for each API server coupled to transactional DB **2030**. In another example, one or more of read only DB **2032** and archive DB **2034** can include multiple computing devices to process data in a parallel fashion. For instance, a DB can divide a data processing problem (e.g., a query), distribute portions of the data and/or portions the problem to multiple computing devices, and combine results from the multiple computing devices that were provided the portions of the data and/or the portions the problem.

In one or more embodiments, a database can include a relational database management system (RDBMS) that can be accessed by one or more computer systems. For example, the RDBMS can include an Oracle database, a Microsoft SQL Server database, a MySQL database, a PostgreSQL database, etc. In one or more embodiments, a database can include an object oriented database. For example, the object oriented database can include an Informix database, an Objectivity/DB database, a FastObjects database, a JADE database, a VelocityDB database, an ObjectDB database, etc. In one or more embodiments, a database can include a combination of a RDBMS and an object oriented database system.

As illustrated, transactional DB **2030** can be coupled to one or more of API servers **2020-2024**, read only DB **2032**, archive DB **2034**, and application servers **2040-250**. In one or more embodiments, one or more of applications servers **2040-2050** can process and/or issue one or more queries to one or more social media data sources. For example, applications servers **2040-2050** can process and/or issue one or more queries to social media data sources over a period of time. In one or more embodiments, one or more of applications servers **2040-2050** can receive, process, analyze and/or present one or more results of one or more queries to one or more social media data sources.

As shown, a storage **2410** can be coupled to network **2410**. In one or more embodiments, one or more of API servers **2020-2024**, databases **2030-2034**, and application servers **2040-2050** can utilize storage **2420** via network **1010**. As illustrated, storages **2420**, **2430**, and **2450** can be coupled to one or more transaction DB **2030**, archive DB **2430**, and read only DB **2032**, respectively. In one or more embodiments, one or more of storages **2420**, **2430**, and **2450** can be coupled to a respective database via one or more of SATA (serial AT attachment), SAS (serial attached SCSI), and FCoE (fiber channel over Ethernet). For example, storage **2420** can be coupled to database **2030** via Ethernet. For instance, FCoE can map storage **2420** to database **2030** independent of an Ethernet forwarding scheme. In one or more embodiments, one or more of storages **2410-2450** can be, be included in, or include at least one of a network attached storage (NAS) and a storage area network (SAN), among others.

As illustrated, a storage **2440** can be coupled to one or more of applications servers **2044** and **2046**. In one or more embodiments, one or more of storage **2440** can be coupled to one or more of application servers **2440** via one or more of SATA, SAS, and FCoE. For example, storage **2420** can be coupled to database **2030** via Ethernet.

In one or more embodiments, one or more of storages **2410-2450** can include one or more storage devices that can be utilized to store database data (e.g., tables, database schemes, etc.) and/or one or more queries of one or more social media data sources. For example, one or more of storages **2410-2450** can store one or more queries generated via one or more methods, processes and/or systems described herein. In one or more embodiments, one or more stored queries can be retrieved from one or more of storages **2410-2450**.

Turning now to FIG. **3**, a method of selecting a geographic area is illustrated, according to one or more embodiments. At **3010**, input indicating a location can be received. For example, an API server of API servers **2020-2024** can receive input indicating the location from a client (e.g., one of CDs **1130-1132**) via network **1010**. For instance, the location can include one or more of a coordinate (e.g., latitude, longitude, etc.), a city, a state, a zip code, and a country, among others. In one or more embodiments, the input can include at least one of user input and machine input (e.g., from a database system), among others. At **3020**, a map can be provided. For example, an API server of API servers **2020-2024** can provide a map to the client. For instance, the map can include the location received at **3010**.

In one or more embodiments, the map can include the location, received at **3010**, and one or more surrounding regions. For example, a map **4010** can include the location of Austin, Tex. and one or more surrounding regions as illustrated in FIG. **4**. For instance, the client can display map **4010**, via a display device and/or a graphical user interface (GUI), to a user. At **3030**, input indicating a search region can be received. For example, an API server of API servers **2020-2024** can receive input indicating the search region from the client via network **1010**. For instance, the user can select a search region **4110** of map **4010**, and input indicating search region **4110** can be received from the client via network **1010**. In one or more embodiments, the input indicating the search region received at **3030** can be associated with the location received via the input at **3010**. As illustrated, search region **4110** can include location **1210**.

At **3040**, it can be determined if there is another search region. If there is another search region, the method can proceed to **3030**. In one or more embodiments, a user of the client can utilized a GUI in selecting one or more search regions. In one instance, the client can receive user input via a pointing device (e.g., a mouse, a track pad, a track ball, a stylus, a finger, etc.), and data associated with and/or corresponding to the one or more selected search regions. In

another instance, selected one or more search regions can be displayed, to a user, via a display device and/or a GUI.

In one example, another search region can be selected. For instance, a search region **5110**, as shown in FIG. **5**, can be selected in addition to search region **4110**, and input indicating search region **5110** can be received from the client via network **1010**. As illustrated, search region **5110** can include location **1215**. In a second example, another search region can be selected. For instance, a search region **6110**, as shown in FIG. **6**, can be selected in addition to search region **4110**, and input indicating search region **6110** can be received from the client via network **1010**. As illustrated in FIG. **6**, one search region can overlap with another search region. In another example, multiple search regions can be selected. For instance, search regions **4110**, **5110**, and **6110** can be selected as shown in FIG. **7**, and input indicating search regions **4110**, **5110**, and **6110** can be received from the client via network **1010**.

In one or more embodiments, a search region can include one or more shapes and/or boundaries. For example, a search region can include a polygon. In one instance, a search region can include a triangular search region, such as a search region **8110** of FIG. **8**. As illustrated search region **8110** can include location **1250**. In a second instance, a search region can include a rectangular search region, such as a search region **8120** of FIG. **8**. In a third instance, a search region can include a square search region, such as a search region **8130** of FIG. **8**. In a fourth instance, a search region can include custom search region (e.g., a n-sided polygon), such as a search region **8140** of FIG. **8**. As illustrated, search region **8140** can include locations **1225**, **1230**, and **1240**.

In another instance, a search region can include a custom search region (e.g., one or more straight edges with one or more arcs, elliptical arcs, parabolic arcs, splines, etc.), such as a search region **8150** of FIG. **8**. As illustrated search region **8150** can include location **1245**. In one or more embodiments, a custom search region can be utilized in implementing a search region of one or more of a voting district, a congressional district, a school district, a school, a campus, a dormitory, a police precinct, a piece of real estate, a neighborhood, a borrow, a city, a town, a commercial office building, a factory, a refinery, a storage facility, a power station, a power substation, and a military installation, among others.

In one or more embodiments, a custom search region can be described, transmitted, and/or stored via a markup language and/or a data description language. In one example, a custom search region can be described, transmitted, and/or stored via an extensible markup language (XML). In a second example, a custom search region can be described, transmitted, and/or stored via a keyhole markup language (KML). In another example, a custom search region can be described, transmitted, and/or stored via a language that can represent data structures (e.g., objects, arrays, associative arrays, etc.). For instance, the language that can represent data structures can be or include JSON (JavaScript Object Notation). In one or more embodiments, JSON can be utilized by any language that can support and/or utilize a JSON lexer and/or parser.

If there is not another search region, the method can proceed to **3050**, as shown in FIG. **3**, where input indicating a data search can be received. For example, the input indicating a data search can include one or more of a word, words, a phrase, a user profile, a portion of a user profile, a regular expression, a natural language filter, a grammar, a social group, an organization, and a user identification, among others. For instance, the input indicating a data search can be received from the client via network **1010**. In one or more embodiments, the input indicating a data search can be or include search data. For example, the search data can include one or more of a word, words, a phrase, a user profile, a portion of a user profile, a regular expression, a natural language filter, a grammar, a social group, an organization, and a user identification, among others.

At **3055**, it can be determined if there is additional search data. If there is additional search data, the method can proceed to **3050**. If there is not additional search data, the method can proceed to **3060**, where one or more queries can be generated. In one example, generating the one or more queries can include multiple supported geographical search region shapes. For instance, a search region can include one or more shapes that are not supported by one or more social media data sources, and the multiple supported geographical search region shapes can include the one or more shapes that are not supported by one or more social network media data sources. In a second example, the one or more queries can be based on one or more of the search region, the user input indicating a data search (e.g., search data), and one or more social network media data sources that store user-provided data (e.g., user input, user-provided content, social network user-provided data, social network user-provided content) from multiple users provided via multiple user computing devices at multiple locations (e.g., two or more of CDs **1110-1126** at respective locations **1210-1250**), among others.

In another example, generating the one or more queries can include configuring and/or implementing the one or more queries with one or more a word, multiple words, a phrase, a user profile, a portion of a user profile, a regular expression, a natural language filter, a grammar, a social group, an organization, and a user identification, among others. In one instance, the one or more of the word, the multiple words, the phrase, the user profile, the portion of the user profile, the regular expression, the natural language filter, the grammar, the social group, the organization, and the user identification, among others, can match at least a portion of the user-provided data (e.g., user input, user-provided content, social network user-provided data, social network user-provided content) from multiple users provided via multiple user computing devices at multiple locations and/or can produce one or more search results. In another instance, one or more search results can be produced, generated, and/or precipitated via a satisfaction and/or a statistical satisfaction of one or more criteria that can include and/or can be based on the one or more of the word, the multiple words, the phrase, the user profile, the portion of the user profile, the regular expression, the natural language filter, the grammar, the social group, the organization, and the user identification, among others.

At **3070**, the one or more queries can be provided to one or more social media data sources. In one example, one or more of API servers **2020-2024** can provide the one or more queries to one or more social media data sources, via network **1010**. For instance, one or more of API servers **2020-2024** can query one or more social media data sources **1610-1640** based on the search data and the one or more search regions. In another example, one or more of application servers **2040-2050** can provide the one or more queries to one or more social media data sources, via network **1010**. For instance, one or more of application servers **2040-2050** can query one or more social media data sources **1610-1640** based on the search data and the one or more search regions.

At **3080**, one or more results of the query of the one or more social media data sources can be received. In one example, one or more of API servers **2020-2024** can receive one or more results of the query of one or more social media data sources **1610-1640** via network **1010**. In another example, one or more of application servers **2040-2050** can receive one or more results of the query of one or more social media data sources **1610-1640** via network **1010**. At **3090**, the one or more results of the query of the one or more social media data sources can be stored. For example, a database can store the results of the query of the social media data sources. For instance, one or more of databases **2030-2034** can store the results of the query of social media data sources **1610-1640**.

At **3100**, the one or more results of the query of the one or more social media data sources can be provided to the client. In one example, one or more of API servers **2020-2024** can provide the results of the query of social media data sources **1610-1640** to the client via network **1010**. In another example, one or more of application servers **2040-050** can provide the results of the query of social media data sources **1610-1640** to the client via network **1010**.

In one or more embodiments, one or more locations (e.g., one or more locations where user data was provided by one or more users via one or more of their computing devices) can correspond to the one or more results of the one or more queries. In one example, location **1210** (as shown in FIG. **4**), e.g., a location where user data was provided by one or more users via one or more of their computing devices, can correspond to the one or more results of the one or more queries, and the client can display location **1210** to a user, via a display device and/or a GUI. In a second example, locations **1210** and **1215** (as shown in FIG. **5**), e.g., one or more locations where user data was provided by one or more users via one or more of their computing devices, can correspond to the one or more results of the one or more queries, and the client can display locations **1210** and **1215** to a user, via a display device and/or a GUI.

In a third example, location **1210** (as shown in FIG. **6**) e.g., a location where user data was provided by one or more users via one or more of their computing devices, can correspond to the one or more results of the one or more queries, and the client can display location **1210** to a user, via a display device and/or a GUI. For instance, the one or more queries can include multiple search regions **4110** and **6110**. In a fourth example, one or more of locations **1210** and **1215** (as shown in FIG. **7**), e.g., one or more locations where user data was provided by one or more users via one or more of their computing devices, can correspond to the one or more results of the one or more queries, and the client can display to a user, via a display device and/or a GUI. For instance, the one or more queries can include one or more of search regions **4110**, **5110**, and **6110**.

In a fifth example, one or more of locations **1225**, **1230**, **1240**, **1245**, and **1250** (as shown in FIG. **8**), e.g., one or more locations where user data was provided by one or more users via one or more of their computing devices, can correspond to the one or more results of the one or more queries, and the client can display to a user, via a display device and/or a GUI. For instance, the one or more queries can include one or more of search regions **8110**, **8120**, **8130**, and **8140**. In another example, one or more of locations **22210-22232** (as shown in FIG. **22**), e.g., one or more locations where user data was provided by one or more users via one or more of their computing devices, can correspond to the one or more results of the one or more queries. For instance, the client can display to a user, via a display device and/or a GUI, one or more locations **22210-22232** via a search region **22110** and/or via a map **22010**.

In one or more embodiments, the one or more results of the query of the one or more social media data sources can be analyzed by the one or more of API servers **2020-2024** and/or one or more of application servers **2040-050** to provide analysis and/or conclusions about the results of the query of social media data sources **1610-1640**. For example, the one or more results of the query of the one or more social media data sources can be filtered by one or more of API servers **2020-2024** and/or one or more of application servers **2040-050** to provide filtered results and/or analysis of the one or more queries of social media data sources **1610-1640** that include one or more of an identified word, phrase, user profile, portion of a user profile, regular expression, grammar, social group, organization, user identification, and a location, among others.

In one or more embodiments, a search region can include a shape that is not supported by one or more social media data sources. For example, one or more social media data sources may support one or more shapes for defining a search region but not other shapes. For instance, one or more social media data sources may support a circular search region (e.g., a location and a radius from the location). In this instance, search regions **4110-6110** can be supported by one or more social media data sources, while search regions **8110-8150** may not be supported. In one or more embodiments, a query of one or more social network media data sources for a search region that is not supported by one or more social media data sources can be performed. For example, one or more queries can be generated utilizing multiple of the one or more shapes defining search regions that can be supported by the one or more social media data sources in order to generate the one or more queries of a search region including a shape that is not supported by one or more social media data sources. For instance, multiple shapes of search regions that can be supported by the one or more social media data sources can be utilized to implement and/or support a search region shape that is not supported by the one or more social media data sources.

Turning now to FIG. **9**, an exemplary method of supporting a search region shape that is not supported by one or more social media data sources is illustrated, according to one or more embodiments. At **9010**, edges of a custom search region shape can be covered by shapes of search regions that are supported by a social media data source. For example, as illustrated in FIG. **10**, search region **8140** is a custom search region shape, and edges of search region **8140** can be covered by circular search regions **10100-10154**, which are supported search region shapes, in some examples.

At **9020**, an interior of the custom search region shape can be covered by shapes of search regions that are supported by a social media data source. For example, search region **8140** is a custom search region shape, and an interior of search region **8140** can be covered by circular search regions **11102-11126** that are supported search region shapes, as illustrated in FIG. **11**. For instance, search region **11124** includes location **1225**.

At **9030**, one or more social network media data sources can be queried. For example, the query can include search data and a supported search region. For instance, the search data can include one or more of a word, a phrase, a user profile, a portion of a user profile, a social group, an organization, a user identification, a regular expression, and a grammar, among others, and the supported search region

can include a search region of search regions **10100-11126**. At **9040**, one or more results of the query, associated with and/or corresponding to the supported search region, can be received. At **9050**, the one or more results of the query can be stored.

At **9050**, it can be determined if there is another search region shape. If there is another search region shape, the method can proceed to **9040**. If there is not another search region shape, the method can proceed to **9070**, where one or more duplicates of the search results can be eliminated.

In one or more embodiments, two or more of the supported search region shapes can intersect, and those intersections can yield duplicates in results of the queries based on respective search region shapes. For example, search regions **10148** and **10150** intersect and can produce one or more duplicates in search data results, since an area of an intersection of search regions **10148** and **10150** can be searched multiple times. For instance, search regions **10148** and **10150** intersect and include location **1230**, as illustrated in FIG. **10**, and one or more duplicates of the search data results of an intersection of search regions **10148** and **10150** can be eliminated.

At **9080**, one or more results that correspond to one or more locations outside the custom search region shape can be eliminated. For example, one or more locations that are outside one or more edges of search region **8140** can be eliminated. For instance, search region **10110** can include one or more locations outside one or more edges of search region **8140**, and results associated with and/or corresponding to the one or more locations outside one or more edges of search region **8140** can be eliminated. As illustrated in FIG. **10**, search region **10110** can include location **1220**, and location **1220** is outside one or more edges of search region **8140**. As such, one or more results associated with and/or corresponding to location **1220** can be eliminated as falling outside the boundary of the custom search region shape. At **9090**, one or more results based on the search data and the custom search region shape can be provided to the client.

Turning now to FIG. **12**, a computer system is illustrated, according to one or more embodiments. As shown, a computer system **12000** can include a processor **12010** coupled to a memory medium **12020**. In one or more embodiments, processor **12010** can include and/or implement an instruction set architecture (ISA) that can include instructions that can be stored via memory medium **12020** and/or can be executable by processor **12010**

As illustrated, memory medium can include one or more applications (APPs) **12070-12072** and an operating system (OS) **12075**. In one or more embodiments, one or more of APPs **12070-12072** and OS **12075** can store instructions, executable by processor **12010**, that can include one or more software programs in accordance with one or more of methods, processes and/or flowcharts described herein.

As illustrated, computer system **12000** can include a network interface **12030** coupled to processor **12010**. In one example, network interface **12030** can be configured to couple computer system **12000** to network **1010**. In a second example, network interface **12030** can be configured to couple computer system **12000** to a wireless AP. In a third example, network interface **12030** can be configured to couple computer system **12000** to a wired AP or gateway (e.g., a cable modem, a DSL modem, a router, a switch, etc.). In another example, network interface **12030** can be configured to couple computer system **12000** to a wireless telephone network (e.g., a cellular telephone network, a satellite telephone network, etc.).

As shown, computer system **12000** can include an output interface **12040** coupled to processor **12010**. In one example, output interface **12040** can include a display that can convey graphical information to a user. In another example, output interface **12040** can be configured to be coupled to a display that can convey graphical information to a user. In another example, output interface **12040** can include or can be configured to be coupled to an audio output device (e.g., a speaker).

As illustrated, computer system **12000** can include an input interface **12050**. In one example, input interface **12050** can include one or more of a keyboard and a mouse, among others. In a second example, input interface **12050** can be configured to be coupled to one or more of a keyboard and a mouse, among others. In a third example, input interface **12050** can include an input of a touch screen. In a fourth example, input interface **12050** can include or can be configured to be coupled to an audio input device (e.g., a microphone). In another example, input interface **12050** can be configured to be coupled to an input of a touch screen. In one or more embodiments, one or more of CDs **1110-1132**, API servers **2020-2024**, databases **2030-2034**, and application servers **2040-2050** can include one or more structures and/or functionalities described with reference to computer system **12000**.

In one or more embodiments, a computer system can include a field programmable gate array (FPGA) coupled to a memory medium, and the memory medium can store data and/or configuration information that can be utilized by the FPGA in implementing one or more systems, methods, and/or processes described herein. For example, the configuration information and/or the one or more instructions can include a hardware description language and/or a schematic design that can be utilized by the FPGA to implement one or more systems, methods, and/or processes described herein. In one or more embodiments, the FPGA can include multiple programmable logic components that can be configured and coupled to one another in implementing one or more systems, methods, and/or processes described herein.

In one or more embodiments, the FPGA can be coupled to one or more of a network interface, an output interface, and an input interface. In one or more embodiments, one or more of the network interface, the output interface, and the input interface can provide and/or implement one or more structures and/or functionalities as described above.

In one or more embodiments, a computer system can include an application specific processor (ASIC) coupled to a memory medium. In one or more embodiments, the memory medium can store data and/or configuration information that can be utilized by the ASIC in implementing one or more systems, methods, and/or processes described herein. For example, the memory medium can store a configuration, and the configuration can include configuration information and/or one or more instructions that can be utilized by the ASIC to implement one or more systems, methods, and/or processes described herein. In one or more embodiments, the memory medium can store data and/or instructions that can be executed by the ASIC. For instance, one or more APPs and/or an OS can include instructions of an ISA associated with the ASIC.

In one or more embodiments, the ASIC can be coupled to one or more of a network interface, an output interface, and an input interface. In one or more embodiments, one or more of the network interface, the output interface, and the input interface can provide and/or implement one or more structures and/or functionalities as described above.

In one or more embodiments, a computer system can include graphics processing unit (GPU) coupled to a memory medium. For example, the GPU can be or include a general purpose graphics processing unit (GPGPU). In one or more embodiments, the memory medium can store data and/or configuration information that can be utilized by the GPU in implementing one or more systems, methods, and/or processes described herein. For example, the memory medium can store a configuration, and the configuration can include configuration information and/or one or more instructions that can be utilized by the GPU to implement one or more systems, methods, and/or processes described herein.

In one or more embodiments, the GPU can be coupled to one or more of a network interface, an output interface, and an input interface. In one or more embodiments, one or more of the network interface, the output interface, and the input interface can provide and/or implement one or more structures and/or functionalities as described above.

Turning now to FIG. **13**, a mobile computer system is illustrated, according to one or more embodiments. As shown, a mobile computer system **13000** can include a processor **13010** coupled to a memory medium **13020**. As illustrated, memory medium can include one or more APPs **13070-13072** and an OS **13075**. In one or more embodiments, one or more of APPs **13070-13072** and OS **13075** can store instructions, executable by processor **13010**, that can include one or more software programs in accordance with one or more of methods, processes and/or flowcharts described herein.

As illustrated, mobile computer system **13000** can include a network interface **13030** coupled to processor **12010**. In one example, network interface **13030** can be configured to couple mobile computer system **13000** to network **1010**. In a second example, network interface **13030** can be configured to couple mobile computer system **13000** to a wireless AP. In a third example, network interface **13030** can be configured to couple mobile computer system **13000** to a wired AP or gateway (e.g., a cable modem, a DSL modem, a router, a switch, etc.). In another example, network interface **13030** can be configured to couple computer system **13000** to a wireless telephone network (e.g., a cellular telephone network, a satellite telephone network, etc.).

As shown, mobile computer system **13000** can include an output interface **13040** coupled to processor **13010**. In one example, output interface **12040** can include a display that can convey graphical information to a user. In another example, output interface **13040** can be configured to be coupled to a display that can convey graphical information to a user. In another example, output interface **13040** can include or can be configured to be coupled to an audio output device (e.g., a speaker).

As illustrated, mobile computer system **13000** can include an input interface **13050**. In one example, input interface **13050** can include one or more of a keyboard and a mouse, among others. In a second example, input interface **13050** can be configured to be coupled to one or more of a keyboard and a mouse, among others. In a third example, input interface **13050** can include an input of a touch screen. In a fourth example, input interface **13050** can include or can be configured to be coupled to an audio input device (e.g., a microphone). In another example, input interface **13050** can be configured to be coupled to an input of a touch screen.

As shown, mobile computer system **13000** can include a position device **13060** coupled to processor **13010**. For example, position device **13060** can determine location information and/or provide the location information to processor **13010**. For instance, position device **13060** can determine location information based on one or more of multilateration, trilateration, triangulation, and multiangulation, among others. In one or more embodiments, position device **13060** can include a GPS device and/or mechanism. For example, a GPS device and/or mechanism can determine location information and provide the determined location information to processor **13010**. In one or more embodiments, one or more of CDs **1110-1132** can include one or more structures and/or functionalities described with reference to mobile computer system **13000**.

In one or more embodiments, mobile computer system **13000** may not include position device **13060**. For example, position device **13060** can be eliminated from a design and/or implementation of mobile computer system **13000** to conserve utilization of a power source of mobile computer system **13000**.

Turning now to FIG. **14**, an exemplary diagram of search regions and geographic context regions is illustrated, according to one or more embodiments. In one or more embodiments, a geographic context region can include one or more locations. For instance, a geographic context region (e.g., a geographic context region of geographic context regions **14110-14680**) can include one or more of a street number, a street, a zip code, a city, a state, a country, a unit identifier (e.g., a suite identifier, a condominium identifier, a hospital room identifier, an apartment identifier, a gate identifier of an airport, an airport identifier, etc.), a cell identification (cell ID or CID associated with a cellular telephone network), latitude information, longitude information, and altitude information, among others.

In one or more embodiments, a geographic context region can be, include, and/or be associated with one or more of a voting district, a congressional district, a school district, a school, a campus, a dormitory, an oil pipeline, a sports complex, a police precinct, a piece of real estate, a neighborhood, a borrow, a city, a town, a commercial office building, a floor of a building, a factory, a refinery, a storage facility, a power station, a power substation, a military installation, and a census designated place (CDP), among others. In one or more embodiments, an account of a user and/or a device of the user can be associated with a geographic context region. For example, the account of the user and/or the device of the user can be associated with a geographic context region of geographic context regions **14110-14680**.

In one or more embodiments, an account of a user and/or a device of a user can be associated with a geographic context region, and the geographic context region can be utilized in determining a geographic location of the user and/or of the device of the user if location-based service are not provided and/or available when the user communicates utilizing one or more of the account of the user and the device of the user. In one example, the device of the user may not provide a geographic location of the user. In one instance, the device of the user may not include a GPS device. In another instance, a GPS device of the device of the user may not be utilized when the user of the device utilized the device for communication. In a second example, a geographic location of an access point, utilized by the device of the user, may not be available.

In another example, a social media data source may not provide user communications for one or more geographic context regions, unless the social media data source is queried for the user communications for the one or more geographic context regions.

As illustrated, search region **4110** can intersect, in whole or in part, one or more of geographic context regions **14110-14160**. As shown, search region **4110** can include one or more of geographic context regions **14130**, **14150**, and **14160**. As illustrated, search region **8110** can intersect one or more of geographic context regions **14210-14270**. As shown, search region **8110** can include one or more of geographic context regions **14220**, **14230**, and **14260**. As illustrated, search region **8310** can intersect one or more of geographic context regions **14310-14380**. As shown, search region **8310** can include one or more of geographic context regions **14320**, **14350**, and **14360**.

As illustrated, search region **8150** can intersect one or more of geographic context regions **14410-14510**. As shown, search region **8150** can include one or more of geographic context regions **14430**, **14440**, **14470**, and **14510**. As illustrated, search region **8140** can intersect one or more of geographic context regions **14610-14680**. As shown, search region **8140** can include one or more of geographic context regions **14640**, **14660**, and **14680**.

In one or more embodiments, a geographic context region can be associated with and/or include one or more shapes. For example, a geographic context region can be associated with and/or include one or more shapes, polygons, circles, ellipses, straight edges, arcs, elliptical arcs, parabolic arcs, and splines, among others.

Turning now to FIG. **15**, an exemplary diagram of a search region, an expanded search region, and geographic context regions that can include respective zero or more computing devices is illustrated, according to one or more embodiments. As shown, geographic context region **14110** can include computing devices **1110-1112**, **1115**, and **1116**. As illustrated, geographic context region **14120** can include computing devices **1117-1120** and **1126**. As shown, geographic context region **14120** can include no computing device. As illustrated, geographic context region **14140** can include computing device **1113**. As shown, geographic context region **14150** can include computing devices **1123-1125**. As illustrated, geographic context region **14160** can include computing devices **1121** and **1122**.

In one or more embodiments, a search region can be expanded to determine if one or more geographic context regions intersect the search region. For example, search region **4110** can be expanded to determine if one or more geographic context regions are included in an expanded search region **15411**, as illustrated. For instance, a diameter (or radius) of search region **4110** can be expanded by a factor greater than one (e.g., 1.061, 1.314159, 1.5, 2, 2.71828, etc.). In one or more embodiments, a geographic context region can be associated with a location, and determining if the geographic context region is included in an expanded search region can include determining if the expanded search region includes the location associated with the geographic context region. For example, if the geographic context region is included in the expanded search region, then the geographic context region intersects the search region.

In one or more embodiments, determining if a geographic context region is included in an expanded search region can include determining if the expanded search region includes the geographic context region. For example, determining if the expanded search region includes the geographic context region can include determining if the expanded search region includes all points and/or positions of the geographic context region.

In one or more embodiments, determining if a geographic context region is included in an expanded search region can include determining if the expanded search region includes a geometric center (e.g., a centroid) of the geographic context region. In one or more embodiments, a geographic context region can be, can include, and/or can be approximated via a shape in a plane. For example, a geometric center of a geographic context region can be or include an arithmetic mean (e.g., an average) position of points of the geographic context region. For instance, if the geometric center of a geographic context region is included in the expanded search region, then the geographic context region intersects the search region.

In one or more embodiments, geographic context regions **14120**, **14130**, **14250**, and **14160** can be included in search region **15411**. In one example, search region **15411** includes all points and/or positions of geographic context regions **14120**, **14130**, **14250**, and **14160**. In another example, expanded search region **15411** may not include all points and/or positions of geographic context regions **14110** and **14140**.

In one or more embodiments, if all points and/or positions of a geographic context region are not included within an expanded search region, then an identification the geographic context region may be included in one or more results of one or more queries, based on the expanded search region, of one or more social media data sources. In one example, all points and/or positions of geographic context region **14110** are not included within expanded search region **15411**, and an identification of geographic context region **14110** may not be included in one or more results of one or more queries, based on expanded search region **15411**, of one or more social media data sources. For instance, one or more queries of one or more social media data sources may not be based on one or more of CDs **1110-1112**, **1115**, and **1116**, since an identification geographic context region **14110** may not be included in one or more results of one or more queries of one or more social media data sources.

In another example, all points and/or positions of geographic context region **14140** are not included within an expanded search region, and an identification geographic context region **14140** may not be included in one or more results of one or more queries, based on expanded search region **15411**, of one or more social media data sources. For instance, one or more queries of one or more social media data sources may not be based on CD **1113**, since an identification geographic context region **14140** may not be included in one or more results of one or more queries of one or more social media data sources.

In one or more embodiments, geographic context regions **14110-14160** can be included in search region **15411**. In one example, geographic context regions **14110-14160** can be associated with respective locations, and the respective locations of geographic context regions **14110-14160** can be included in and/or lie within search region **15411**. In another example, geographic context regions **14110-14160** can be associated with respective geometric centers, and the respective geometric centers of geographic context regions **14110-14160** can be included in and/or lie within search region **15411**.

In one or more embodiments, one or more computing devices can be ignored and/or eliminated if the one or more computing devices are included in a geographic context region but are not included in a search region. For example, one or more of CDs **1118**, **1119**, and **1126** can be ignored and/or eliminated as one or more of CDs **1118**, **1119**, and **1126** are included in geographic context region **14120** but are not included in search region **4110**. For instance, one or

more queries can be generated, to be provided to one or more social media data sources, without one or more associations to one or more of CDs **1118**, **1119**, and **1126**.

In one or more embodiments, one or more queries can be generated, can be based on one or more geographic context regions (e.g., one or more of geographic context regions **14110-14160**), and can be provided to one or more social media data sources. In one example, one or more of API servers **2020-2024** can provide the one or more queries to one or more social media data sources, via network **1010**. For instance, one or more of API servers **2020-2024** can query one or more social media data sources **1610-1640** based on search data (e.g., one or more of a word, words, a phrase, a user profile, a portion of a user profile, a regular expression, a natural language filter, a grammar, a social group, an organization, a user identification, etc.) and the one or more geographic context regions. In another example, one or more of application servers **2040-2050** can provide the one or more queries to one or more social media data sources, via network **1010**. For instance, one or more of application servers **2040-2050** can query one or more social media data sources **1610-1640** based on the search data and the one or more geographic context regions.

Turning now to FIG. **16**, another exemplary diagram of a search region, an expanded search region, and geographic context regions that can include respective zero or more computing devices is illustrated, according to one or more embodiments. As shown, geographic context region **14610** can include computing devices **1117-1120**. As illustrated, geographic context region **14620** can include no computing device. As shown, geographic context region **14630** can include computing device **1126**. As illustrated, geographic context region **14640** can include no computing device. As shown, geographic context region **14650** can include computing devices **1113** and **1114**. As illustrated, geographic context region **14660** can include computing devices **1121** and **1122**. As shown, geographic context region **14670** can include computing devices **1110-1112**, **1115**, and **1116**. As illustrated, geographic context region **14680** can include computing devices **1123-1125**.

In one or more embodiments, one or more computing devices can be ignored and/or eliminated as the one or more computing devices can be included in a geographic context region but are not included in a search region. For example, one or more of CDs **1117**, **1119**, and **1120** can be ignored and/or eliminated as one or more of CDs **1117**, **1119**, and **1120** can be included in geographic context region **14610** but are not included in search region **8140**. For instance, one or more queries can be generated, to be provided to one or more social media data sources, without one or more associations to one or more of CDs **1117**, **1119**, and **1120**.

In one or more embodiments, if all points and/or positions of a geographic context region are not included within an expanded search region, then an identification the geographic context region may be included in one or more results of one or more queries, based on the expanded search region, of one or more social media data sources. For example, all points and/or positions of geographic context region **14670** are not included within expanded search region **16814**, and an identification of geographic context region **14670** may not be included in one or more results of one or more queries, based on expanded search region **16814**, of one or more social media data sources. For instance, one or more queries of one or more social media data sources may not be based on one or more of CDs **1110-1112**, **1115**, and **1116**, since an identification geographic context region **14670** may not be included in one or more results of one or more queries of one or more social media data sources.

In one or more embodiments, a search region can be expanded to determine if one or more geographic context regions intersect the search region. For example, search region **8140** can be expanded to determine if one or more geographic context regions are included in an expanded search region **16814**, as illustrated. For instance, a diameter (or radius) of search region **8140** can be expanded by a factor greater than one (e.g., 1.061, 1.314159, 1.5, 2, 2.71828, etc.). In one or more embodiments, a geographic context region can be associated with a location, and determining if the geographic context region is included in an expanded search region can include determining if the expanded search region includes the location associated with the geographic context region. For example, if the geographic context region is included in the expanded search region, then the geographic context region intersects the search region.

In one or more embodiments, geographic context regions **14610-14680** can be included in search region **16814**. In one example, geographic context regions **14610-14680** can be associated with respective locations, and the respective locations of geographic context regions **14610-14680** can be included in and/or lie within search region **16814**. In a second example, geographic context regions **14610-14680** can be associated with respective geometric centers, and the respective geometric centers of geographic context regions **14610-14680** can be included in and/or lie within search region **16814**. In another example, all points and/or positions of geographic context regions **14610-14640**, **14650**, and **14680** can be included in and/or lie within search region **16814**.

In one or more embodiments, one or more queries can be generated, can be based on one or more geographic context regions (e.g., one or more of geographic context regions **14610-14680**), and can be provided to one or more social media data sources. In one example, one or more of API servers **2020-2024** can provide the one or more queries to one or more social media data sources, via network **1010**. For instance, one or more of API servers **2020-2024** can query one or more social media data sources **1610-1640** based on search data (e.g., one or more of a word, words, a phrase, a user profile, a portion of a user profile, a regular expression, a natural language filter, a grammar, a social group, an organization, a user identification, etc.) and the one or more geographic context regions. In another example, one or more of application servers **2040-2050** can provide the one or more queries to one or more social media data sources, via network **1010**. For instance, one or more of application servers **2040-2050** can query one or more social media data sources **1610-1640** based on the search data and the one or more geographic context regions.

Turning now to FIG. **17**, an exemplary diagram of expanding a search region shape that is not supported by one or more social media data sources is illustrated, according to one or more embodiments. In one or more embodiments, one or more supported search regions, associated with a search region shape that is not supported by one or more social media data sources, can be expanded. For example, one or more supported search regions **10100-10154** (illustrated in FIG. **10**), associated with search region **8140**, can be expanded. For instance, a diameter (or radius) of a supported search region (e.g., a supported search region of supported search regions **10100-10154**) can be expanded by a factor greater than one (e.g., 1.061, 1.314159, 1.5, 2,

2.71828, etc.) and/or a function that can produce a factor. As illustrated, expanded supported search regions **17106-17154** can be utilized to expand a search region shape that is not supported by one or more social media data sources.

In one or more embodiments, a supported search region that lies on or proximate to an intersection of lines which precipitates an angle between the two lines can be expanded by a factor greater than one and/or a function that can produce a factor. In one example, a function such as

$$\text{Diameter}_{NEW}(g,k) = \text{Diameter}_{OLD} \cdot g \cdot \left(\frac{17}{24}\right) \cdot \left(\frac{180}{k}\right),$$

where g can be or include a factor greater than one (e.g., 1.061, 1.314159, 1.5, 2, 2.71828, etc.) and k can be or include an angle of intersecting lines, can be utilized to produce a factor that can be utilized to expand a supported search region that lies on an intersection of lines. In another example, if $\text{Diameter}_{NEW}(g,k)<\text{Diameter}_{OLD}\cdot g$ (where g can be or include a factor greater than one (e.g., 1.061, 1.314159, 1.5, 2, 2.71828, etc.)), then g can be utilized as a factor that can be utilized to expand a supported search region that lies on an intersection of lines.

As illustrated, an expanded search region **17154** (e.g., an expanded supported search region), illustrated in FIG. **17**, can be produced via expanding supported search region **10154**, as illustrated in FIG. **10**, utilizing $\text{Diameter}_{NEW}(g,k)$ as a diameter of expanded search region **17154**, where

$$\text{Diameter}_{NEW}(g,k) = \text{Diameter}_{OLD} \cdot g \cdot \left(\frac{17}{24}\right) \cdot \left(\frac{180}{k}\right),$$

g is 1.5, k is forty-nine (e.g., forty-nine degrees), and Diameter_{OLD} is a diameter of supported search region **10154**.

As shown, expanded search region **17124** (e.g., an expanded supported search region), illustrated in FIG. **17**, can be produced via expanding supported search region **10124**, as illustrated in FIG. **10**, utilizing $\text{Diameter}_{NEW}(g)=\text{Diameter}_{OLD}\cdot g$, where g is 1.5, as a diameter of expanded search region **17124**, since $\text{Diameter}_{NEW}(g,k)<\text{Diameter}_{OLD}\cdot g$, where

$$\text{Diameter}_{NEW}(g,k) = \text{Diameter}_{OLD} \cdot g \cdot \left(\frac{17}{24}\right) \cdot \left(\frac{180}{k}\right),$$

where g is 1.5, k is one hundred and thirty-eight (e.g., one hundred and thirty-eight degrees), and Diameter_{OLD} is a diameter of supported search region **10124**.

In one or more embodiments, a supported search region that lies on a straight edge (e.g., a line), an arc, an elliptical arc, a parabolic arc, or a spline can be expanded by a factor greater than one (e.g., 1.061, 1.314159, 1.5, 2, 2.71828, etc.). For example, expanded search region **17106** (e.g., an expanded supported search region), illustrated in FIG. **17**, can be produced via expanding supported search region **10106**, as illustrated in FIG. **10**, utilizing an expansion factor of 1.5. For instance, a diameter of supported search region **10106** can be expanded by 1.5 to produce a diameter for expanded search region **17106**.

In one or more embodiments, one or more supported search regions that lie on respective one or more intersection of lines, which precipitate respective one or more angles, can be expanded before other one or more supported search regions that do not lie on respective one or more intersection of lines. For example, one or more of supported search regions **10108**, **10116**, **10124**, **10134**, **10140**, **10147**, and **10154** (as illustrated in FIG. **10**) can be expanded into respective one or more supported search regions **17108**, **17116**, **17124**, **17134**, **17140**, **17147**, and **17154** (as illustrated in FIG. **17**) before other one or more supported search regions that do not lay on respective one or more intersection of lines.

In one or more embodiments, one or more supported search regions can be expanded and not utilized to expand a search region shape that is not supported by one or more social media data sources. For example, one or more supported search regions can be expanded and can be included in or within another expanded supported search region. For instance, an expanded supported search region can include a diameter that is 1.5 times that of a diameter of supported search region **10100** (as illustrated in FIG. **10**), and the expanded supported search region (based on supported search region **10100**) can be included in or within expanded supported search region **17154**. In one or more embodiments, not utilizing one or more expanded supported search regions, that can be included in or within another expanded supported search region, can decrease one or more calculations and/or computations. In one example, decreasing one or more calculations and/or computations can decrease an amount of time in calculating and/or computing one or more results. In another example, decreasing one or more calculations and/or computations can increase an amount of data that can be processed via a processing unit.

Turning now to FIG. **18**, an exemplary method of querying one or more social media data sources based on one or more geographic context regions is illustrated, according to one or more embodiments. In one or more embodiments, method elements **18010-18055** can be performed in accordance with method elements **3010-3055** of FIG. **3**, respectively. For instance, it can be determined if there is additional search data at **18055**. If there is additional search data, the method can proceed to **18050**. If there is not additional search data, the method can proceed to **18060**, where first one or more queries can be generated.

In one or more embodiments, generating the first one or more queries can include expanding a search region. For example, generating the first one or more queries can include expanding a search region of search regions **4110**, **8110**, **8130**, **8150**, and **8140** (illustrated in FIG. **14**). In one instance, generating the first one or more queries can include expanding search region **4110** with reference to FIG. **15**. In another instance, generating the first one or more queries can include expanding search region **8140** with reference to FIGS. **16** and **17**.

In one or more embodiments, generating the first one or more queries can include configuring and/or implementing the first one or more queries with one or more expanded supported search region shapes. In one example, generating the first one or more queries can include multiple expanded supported geographical search region shapes (e.g., expanded supported geographical search region shapes **17106-17154** illustrated in FIG. **17**). For instance, an expanded supported search region (e.g., expanded search region **16814** as illustrated in FIGS. **16** and **17**) can include one or more shapes that are not supported by one or more social media data sources, and the multiple expanded supported geographical search region shapes (e.g., expanded supported geographical search region shapes **17106-17154** illustrated in FIG. **17**)

can include the one or more shapes that are not supported by one or more social network media data sources.

In one or more embodiments, generating the first one or more queries can include configuring and/or implementing the first one or more queries to request one or more geographic context regions (e.g., first search data) that are included in and/or are located within the expanded search region. In one example, the expanded search region can include an expanded supported search region shape (e.g., expanded supported search region shape **15411** as illustrated in FIG. **15**). In a second example, the expanded search region can include multiple expanded supported search region shapes (e.g., expanded supported search region shapes **1706-17154** as illustrated in FIG. **17**). In another example, the expanded search region can include multiple supported search region shapes (e.g., supported search region shapes **11102-11126** as illustrated in FIG. **11**). For instance, a combination of the multiple expanded supported search region shapes and the multiple supported search region shapes can cover and/or include an expansion of a shape that is not supported by one or more social network media data sources and an interior of the shape that is not supported by one or more social network media data sources.

At **18070**, the first one or more queries can be provided to one or more social media data sources. In one example, one or more of API servers **2020-2024** can provide the first one or more queries to one or more social media data sources, via network **1010**. For instance, one or more of API servers **2020-2024** can query one or more social media data sources **1610-1640** based on the first search data (e.g., one or more geographic context region requests) and the one or more expanded search regions. In another example, one or more of application servers **2040-2050** can provide the first one or more queries to one or more social media data sources, via network **1010**. For instance, one or more of application servers **2040-2050** can query one or more social media data sources **1610-1640** based on the first search data and the first one or more search regions.

At **18080**, first one or more results, of the first one or more queries of the one or more social media data sources, that include one or more identifications of respective one or more geographic context regions can be received. In one example, one or more of API servers **2020-2024** can receive first one or more results of the first query of one or more social media data sources **1610-1640** via network **1010**. In one instance, one or more of API servers **2020-2024** can receive identifications of and/or associated with geographic context regions **14110-14160** (illustrated in FIG. **15**). In another instance, one or more of API servers **2020-2024** can receive identifications of and/or associated with geographic context regions **14610-14180** (illustrated in FIGS. **16** and **17**).

In another example, one or more of application servers **2040-2050** can receive first one or more results of the query of one or more social media data sources **1610-1640** via network **1010**. In one instance, one or more of application servers **2040-2050** can receive identifications of and/or associated with geographic context regions **14110-14160** (illustrated in FIG. **15**). In another instance, one or more of application servers **2040-2050** can receive identifications of and/or associated with geographic context regions **14610-14180** (illustrated in FIGS. **16** and **17**).

At **18090**, second one or more queries can be generated. In one example, the second one or more queries can include one or more geographic context regions and/or one or more identifications of and/or associated with the one or more geographic context regions.

In a second example, the second one or more queries can be based on one or more of the one or more geographic context regions, the user input indicating a data search (e.g., second search data), and one or more social network media data sources that store user-provided data (e.g., user input, user-provided content, social network user-provided data, social network user-provided content) from multiple users provided via multiple user computing devices associated with multiple geographic context regions (e.g., two or more of CDs **1110-1126** associated with multiple geographic context regions **14110**, **14120**, and **14140-14160** as illustrated in FIG. **15**; two or more of CDs **1110-1126** associated with multiple geographic context regions **14610**, **14630**, and **14650-14680** as illustrated in FIG. **16**; etc.), among others.

In a third example, the second one or more queries can be based on one or more of the one or more geographic context regions, the user input indicating a data search (e.g., second search data), and one or more social network media data sources that store user-provided data (e.g., user input, user-provided content, social network user-provided data, social network user-provided content) from multiple users provided via multiple user computing devices associated with multiple geographic context regions (e.g., two or more of CDs **1117** and **1120-2236** associated with multiple geographic context regions **14120**, **14150**, and **14160** as illustrated in FIG. **15**; two or more of CDs **1118**, **1126**, **1121-1125** associated with multiple geographic context regions **14610**, **14630**, **14660**, and **14680** as illustrated in FIG. **16**; etc.), among others.

In another example, generating the second one or more queries can include configuring and/or implementing the second one or more queries with second search data such as one or more a word, multiple words, a phrase, a user profile, a portion of a user profile, a regular expression, a natural language filter, a grammar, a social group, an organization, and a user identification, among others. In one instance, the one or more of the word, the multiple words, the phrase, the user profile, the portion of the user profile, the regular expression, the natural language filter, the grammar, the social group, the organization, and the user identification, among others, can match at least a portion of the user-provided data (e.g., user input, user-provided content, social network user-provided data, social network user-provided content) from multiple users provided via multiple user computing devices at multiple locations and/or can produce one or more search results. In another instance, one or more search results can be produced, generated, and/or precipitated via a satisfaction and/or a statistical satisfaction of one or more criteria that can include and/or can be based on the one or more of the word, the multiple words, the phrase, the user profile, the portion of the user profile, the regular expression, the natural language filter, the grammar, the social group, the organization, and the user identification, among others.

In one or more embodiments, generating the second one or more queries can include ignoring and/or eliminating one or more computing device that are within a geographic context region but may not be within a search region. In one example, one or more of CDs **1112** and **1116** of geographic context region **14110**, as illustrated in FIG. **15**, can be ignored and/or eliminated as one or more of CDs **1112** and **1116** may not be included in search region **4110**. In a second example, one or more of CDs **1118**, **1119**, and **1126** of geographic context region **14120**, as illustrated in FIG. **15**, can be ignored and/or eliminated as one or more of CDs **1118**, **1119**, and **1126** may not be included in search region **4110**. In another example, one or more of CDs **1117**, **1119**,

and **1120** of geographic context region **14610**, as illustrated in FIG. **16**, can be ignored and/or eliminated as one or more of CDs **1117**, **1119**, and **1120** may not be included in search region **8140**.

At **18100**, the second one or more queries can be provided to one or more social media data sources. In one example, one or more of API servers **2020-2024** can provide the second one or more queries to one or more social media data sources, via network **1010**. For instance, one or more of API servers **2020-2024** can query one or more social media data sources **1610-1640** based on the second search data and the one or more geographic context regions. In another example, one or more of application servers **2040-2050** can provide the second one or more queries to one or more social media data sources, via network **1010**. For instance, one or more of application servers **2040-2050** can query one or more social media data sources **1610-1640** based on the second search data and the one or more geographic context regions.

At **18110**, second one or more results, of the second one or more queries of the one or more social media data sources, can be received. In one example, one or more of API servers **2020-2024** can receive second one or more results of the second one or more queries of one or more social media data sources **1610-1640** via network **1010**. In another example, one or more of application servers **2040-2050** can receive second one or more results of the second one or more queries of one or more social media data sources **1610-1640** via network **1010**.

At **18120**, the second one or more results of the second one or more queries of the one or more social media data sources can be stored. For example, a database can store the results of the second one or more queries of the social media data sources. For instance, one or more of databases **2030-2034** can store the results of the second one or more queries of social media data sources **1610-1640**.

At **18130**, the second one or more results of the second one or more queries of the one or more social media data sources can be provided to the client. In one example, one or more of API servers **2020-2024** can provide the results of the second one or more queries of social media data sources **1610-1640** to the client via network **1010**. In another example, one or more of application servers **2040-050** can provide the results of the second one or more queries of social media data sources **1610-1640** to the client via network **1010**.

In one or more embodiments, a computer system, a computing device, and/or a computer can be broadly characterized to include any device that includes a processor that executes instructions from a memory medium. For example, the term "memory medium" can mean a "memory", a "memory device", "storage device", and/or "tangible computer readable storage medium". In one instance, one or more of a "memory", a "memory device", "storage device" and "tangible computer readable storage medium" can include volatile storage such as random access memory (RAM), SRAM (static RAM), DRAM (dynamic RAM), EDO RAM (extended data out RAM), Rambus RAM, etc. In another instance, one or more of a "memory", a "memory device", and "tangible computer readable storage medium" can include nonvolatile storage such as a ROM (read only memory), a PROM (programmable ROM), an EPROM (erasable PROM), an EEPROM (electrically erasable PROM), flash memory, NVRAM (nonvolatile RAM), FRAM (ferroelectric RAM), a CD-ROM, a DVD-ROM, a floppy disk, a magnetic tape, a magnetic media (e.g., a hard drive), optical storage, etc. In one or more embodiments, a memory medium can include one or more volatile storages and/or one or more nonvolatile storages.

In one or more embodiments, a processor (e.g., a central processing unit or CPU) can execute instructions from a memory medium that stores the instructions that can include one or more software programs in accordance with one or more of methods, processes and/or flowcharts described herein. In one example, the processor and the memory medium, that stores the instructions which can include one or more software programs in accordance with one or more of methods, processes and/or flowcharts described herein, can form one or more means for one or more functionalities described with references to methods, processes and/or flowcharts herein. In a second example, a GPU and the memory medium, that stores the instructions which can include one or more software programs in accordance with one or more of methods, processes and/or flowcharts described herein, can form one or more means for one or more functionalities described with references to methods, processes and/or flowcharts herein.

In a third example, a FPGA can be configured with one or more configurations in accordance with one or more of methods, processes and/or flowcharts described herein, that can form one or more means for one or more functionalities described with references to methods, processes and/or flowcharts herein. In a fourth example, an ASIC and the memory medium, that stores the instructions which can include one or more software programs in accordance with one or more of methods, processes and/or flowcharts described herein, can form one or more means for one or more functionalities described with references to methods, processes and/or flowcharts herein. In a fifth example, an ASIC can be configured with one or more configurations in accordance with one or more of methods, processes and/or flowcharts described herein, that can form one or more means for one or more functionalities described with references to methods, processes and/or flowcharts herein.

In a sixth example, an ASIC and the memory medium, that stores the instructions which can include one or more software programs in accordance with one or more of methods, processes and/or flowcharts described herein, can form one or more means for one or more functionalities described with references to methods, processes and/or flowcharts herein. In another example, the memory medium, that stores the instructions which can include one or more software programs in accordance with one or more of methods, processes and/or flowcharts described herein, can include, implement, and/or form an article of manufacture. When terms are used in this disclosure in the singular they shall be deemed to include the plural when applicable, and when used herein in the plural to include the singular when applicable.

One or more of the method elements described herein and/or one or more portions of an implementation of a method element can be repeated, can be performed in varying orders, can be performed concurrently with one or more of the other method elements and/or one or more portions of an implementation of a method element, or can be omitted, according to one or more embodiments. In one or more embodiments, concurrently can mean simultaneously. In one or more embodiments, concurrently can mean apparently simultaneously according to some metric. For example, two tasks can be context switched such that such that they appear to be simultaneous to a human. In one instance, a first task of the two tasks can include a first method element and/or a first portion of a first method element. In a second instance, a second task of the two tasks

can include a second method element and/or a first portion of a second method element. In another instance, a second task of the two tasks can include the first method element and/or a second portion of the first method element. Further, one or more of the system elements described herein can be omitted and additional system elements can be added as desired, according to one or more embodiments. Moreover, supplementary, additional, and/or duplicated method elements can be instantiated and/or performed as desired, according to one or more embodiments.

One or more modifications and/or alternatives of the embodiments described herein may be apparent to those skilled in the art in view of this description. Hence, descriptions of the embodiments, described herein, are to be taken and/or construed as illustrative and/or exemplary only and are for the purpose of teaching those skilled in the art the general manner of carrying out methods, processes, and/or systems described herein. In one or more embodiments, one or more materials and/or elements can be swapped or substituted for those illustrated and described herein. In one or more embodiments, one or more parts and/or processes can be reversed, and/or certain one or more features of the described one or more embodiments can be utilized independently, as would be apparent to one skilled in the art after having the benefit of this description.

What is claimed is:

1. A system, comprising:

a processor;

a network interface, coupled to the processor and configured to be coupled to a network; and

a memory device coupled to the processor, wherein the memory device stores instructions that are executed by the processor, wherein the system:

receives, from a computing device, via the network interface and the network, a first query of at least one social network media data source indicating search data and a first geographical search region, wherein the at least one social network media data source stores user-provided data from a plurality of users provided via a plurality of computing devices associated with at least the first geographical search region;

determines the first geographical search region covers a first geographical area and at least a first portion of a geographic context region intersecting the first geographical search region, wherein a first location within the geographic context region is not within the first geographical search region and wherein first social media results of the at least one social network media data source in response to the first query will not include one or more second social media results associated with one or more second locations within both the first portion of the geographic context region and the first geographical search region, at least because the one or more second locations are associated with the geographic context region and the first location is not within the first geographical search region;

in response to determining the first geographical search region covers the first geographical area and the at least a first portion of the geographic context region intersecting the first geographical search region, generates at least a second query of the at least one social network media data source indicating the search data and a second geographical search region covering a second geographical area including at least a second portion of the geographic context region including the first location and the one or more second locations within the geographic context region;

provides, via the network interface and the network, the at least the second query to the at least one social network media data source;

receives, from the at least one social network media data source via the network interface and the network, at least one result based on the at least the second query and based on the user-provided data stored via the at least one social network media data source, wherein the at least one result includes the one or more second social media results associated with the one or more second locations within the geographic context region and the first geographical search region; and

provides the at least one result to the computing device.

2. The system of claim **1**, further comprising expands the first geographical search region to the second geographical search region to determine if one or more geographic context regions intersect the first geographical search region, wherein the second geographical search region covers more geographical area then the first geographical search region, and generates at least the second query in response to determining the geographic context region intersects the first geographical search region.

3. The system of claim **2**, wherein when the system expands the first geographical search region, the system expands a plurality of supported geographical search region shapes, of the at least one social network media data source, based on the first geographical search region.

4. The system of claim **1**, wherein when the system generates the at least the second query that includes the at least one identification of the geographic context region and that is based on the search data and the at least one social network media data source, the system transforms the first query in accordance with at least one interface of the at least one social network media data source such that the at least the second query is supported as a query of the at least one social network media data source.

5. The system of claim **1**,

wherein the at least the second query includes at least one of a word, a plurality of words, a phrase, a user profile, a portion of a user profile, a regular expression, a natural language filter, a grammar, a social group, an organization, and a user identification;

wherein at least a portion of the user-provided data from the plurality of users corresponds to the at least one result and at least one of the word, the plurality of words, the phrase, the user profile, the portion of the user profile, the regular expression, the natural language filter, the grammar, the social group, the organization, and the user identification; and

wherein the at least one result is based on the at least the portion of the user-provided data from the plurality of users that corresponds to the at least one result and the at least one of the word, the plurality of words, the phrase, the user profile, the portion of the user profile, the regular expression, the natural language filter, the grammar, the social group, the organization, and the user identification.

6. The system of claim **5**, wherein the user-provided data includes at least one post to at least one social network service.

7. The system of claim **5**, wherein the grammar includes at least one of a set of formation rules for strings in a language, a context-free grammar, a regular grammar, a

tree-adjoining grammar, an affix grammar, an attribute grammar, an adaptive grammar, an ambiguous grammar, and a categorical grammar.

8. The system of claim **5**, wherein the user profile includes at least one of a user name, the user identification, a mobile telephone number, an email address, a physical address, an occupation, a gender, a marital status, a past purchase, an interest, a past transaction, a shoe size, an age, a clothing size, a political affiliation, a monthly income, a yearly income, an employment status, a credit history, a credit rating, an eye color, a hair color, a music genre, and a membership.

9. The system of claim **5**, wherein the user-provided data from the plurality of users includes social network user-provided content.

10. The system of claim **1**,

wherein the first geographical search region includes a first unsupported geographical search region shape; and

wherein the system generates the at least the second query such that a plurality of geographical search region shapes that are supported by the at least one interface of the at least one social network media data source and that include the first unsupported geographical search region shape.

11. The system of claim **10**, wherein the system generates the at least the second query such that the plurality of geographical search region shapes, supported by the at least one interface of the at least one social network media data source, include an expansion of the first unsupported geographical search region shape.

12. The system of claim **11**, wherein when the system receives, from the at least one social network media data source via the network interface and the network, the at least one result, the system receives a plurality of results that are based on the at least the second query and the plurality of geographical search region shapes, supported by the at least one interface of the at least one social network media data source, that include the expansion of the first unsupported geographical search region shape, wherein the plurality of results include the at least one result.

13. The system of claim **12**,

wherein a first result of the plurality of results is a duplicate result of a second result of the plurality of results; and

wherein the system further eliminates the duplicate result.

14. The system of claim **1**,

provides, via the network interface and the network, the first query to the at least one social network media data source.

15. The system of claim **14**,

wherein the at least one result includes at least one location of the geographic context region; and

wherein the system further provides the at least one location of the geographic context region to the user via the map.

16. The system of claim **14**,

wherein the second geographical area includes at least the first portion of the geographic context region and the second portion of the geographic context region.

17. The system of claim **1**, wherein the system further provides a map to a user, wherein the map indicates at least one location of the geographic context region that corresponds to the at least one result based on the at least one query and based on location-based data stored via the at least one social network media data source.

18. The system of claim **1**, wherein the user-provided data stored via the at least one social network media data source includes user-provided data stored via at least one of FACEBOOK social network media data source, TWITTER social network media data source, YOUTUBE social network media data source, WEIBO social network media data source, a blog, a wiki, FOURSQUARE social network media data source, INSTAGRAM social network media data source, FLICKR social network media data source, VIMEO social network media data source, and YELP social network media data source.

19. The system of claim **1**, wherein the at least one identification of the geographic context region is determined via a communication system operated by a network provider and utilized by at least one of the plurality of computing devices.

20. The system of claim **19**,

wherein the communication system includes at least one of a wireless access point and a wired access point; and

wherein the at least one identification of the geographic context region is determined via a location of the at least one of the wireless access point and the wired access point.

21. The system of claim **19**,

wherein the at least one of the plurality of computing devices utilizes a network address associated with the communication system; and

wherein the network address is associated with the at least one identification of the geographic context region.

22. The system of claim **1**,

wherein a location included within the geographic context region is determined via a position device of at least one of the plurality of computing devices; and

wherein the user-provided data from the plurality of users provided via the plurality of computing devices includes the location included within the geographic context region.

23. The system of claim **1**,

wherein the geographic context region is associated with a geometric center and the first location is associated with the geometric center of the geographic context region.

24. The system of claim **1**,

wherein the system is coupled to a storage; and

wherein the system further:

stores the at least the second query in the storage;

after an amount of time transpires, retrieves the at least the second query from the storage;

provides, via the network, the at least the second query from the storage to the at least one social network media data source;

receives, from the at least one social network media data source via the network, at least a second result based on the at least the second query from storage and based on the user-provided data stored via the at least one social network media data source; and

provides the at least the second result to the computing device.

25. The system of claim **24**,

wherein when the system stores the at least the second query in the storage, the system stores the at least the second query in the storage via the network; and

wherein when the system retrieves the at least the second query from the storage, the system retrieves the at least the second query from the storage via the network.

26. The system of claim **1**, wherein the geographic context region includes at least one of a voting district, a congressional district, a school district, a school, a campus, a dormitory, an oil pipeline, a sports complex, a police pre-

cinct, a piece of real estate, a neighborhood, a borrow, a city, a town, a commercial office building, a floor of a building, a factory, a refinery, a storage facility, a power station, a power substation, a military installation, and a census designated place.

27. A non-transitory computer readable memory device, comprising instructions that are executable by a processor of a computer system, wherein as the instructions executed by the processor, the computer system:

receives, from a computing device, via the network interface and the network, a first query of at least one social network media data source indicating search data and a first geographical search region, wherein the at least one social network media data source stores user-provided data from a plurality of users provided via a plurality of computing devices associated with at least the first geographical search region;

determines the first geographical search region covers a first geographical area and at least a first portion of a geographic context region intersecting the first geographical search region, wherein a first location within the geographic context region is not within the first geographical search region and wherein first social media results of the at least one social network media data source in response to the first query will not include one or more second social media results associated with one or more second locations within both the first portion of the geographic context region and the first geographical search region, at least because the one or more second locations are associated with the geographic context region and the first location is not within the first geographical search region;

in response to determining the first geographical search region covers the first geographical area and the at least a first portion of the geographic context region intersecting the first geographical search region, generates at least a second query of the at least one social network media data source indicating the search data and a second geographical search region covering a second geographical area including at least a second portion of the geographic context region including the first location and the one or more second locations within the geographic context region;

provides, via the network interface and the network, the at least the second query to the at least one social network media data source;

receives, from the at least one social network media data source via the network interface and the network, at least one result based on the at least the second query and based on the user-provided data stored via the at least one social network media data source, wherein the at least one result includes the one or more second social media results associated with the one or more second locations within the geographic context region and the first geographical search region; and

provides the at least one result to the computing device.

28. The non-transitory computer readable memory device of claim **27**, further comprising expands the first geographical search region to the second geographical search region to determine if one or more geographic context regions intersect the first geographical search region, wherein the second geographical search region covers more geographical area then the first geographical search region, and generates at least the second query in response to determining the geographic context region intersects the first geographical search region.

29. The non-transitory computer readable memory device of claim **28**, wherein when the computer system expands the first geographical search region, the computer system expands a plurality of supported geographical search region shapes, of the at least one social network media data source, based on the first geographical search region.

30. The non-transitory computer readable memory device of claim **27**, wherein when the computer system generates the at least the second query that includes the at least one identification of the geographic context region and that is based on the search data and the at least one social network media data source, the computer system transforms the first query in accordance with at least one interface of the at least one social network media data source such that the at least the second query is supported as a query of the at least one social network media data source.

31. The non-transitory computer readable memory device of claim **27**, wherein the second query includes at least one of a word, a plurality of words, a phrase, a user profile, a portion of a user profile, a regular expression, a natural language filter, a grammar, a social group, an organization, and a user identification;

wherein at least a portion of the user-provided data from the plurality of users corresponds to the at least one result and at least one of the word, the plurality of words, the phrase, the user profile, the portion of the user profile, the regular expression, the natural language filter, the grammar, the social group, the organization, and the user identification; and

wherein the at least one result is based on the at least the portion of the user-provided data from the plurality of users that corresponds to the at least one result and the at least one of the word, the plurality of words, the phrase, the user profile, the portion of the user profile, the regular expression, the natural language filter, the grammar, the social group, the organization, and the user identification.

32. The non-transitory computer readable memory device of claim **31**, wherein the user-provided data includes at least one post to at least one social network service.

33. The non-transitory computer readable memory device of claim **31**, wherein the grammar includes at least one of a set of formation rules for strings in a language, a context-free grammar, a regular grammar, a tree-adjoining grammar, an affix grammar, an attribute grammar, an adaptive grammar, an ambiguous grammar, and a categorical grammar.

34. The non-transitory computer readable memory device of claim **31**, wherein the user profile includes at least one of a user name, the user identification, a mobile telephone number, an email address, a physical address, an occupation, a gender, a marital status, a past purchase, an interest, a past transaction, a shoe size, an age, a clothing size, a political affiliation, a monthly income, a yearly income, an employment status, a credit history, a credit rating, an eye color, a hair color, a music genre, and a membership.

35. The non-transitory computer readable memory device of claim **31**, wherein the user-provided data from the plurality of users includes social network user-provided content.

36. The non-transitory computer readable memory device of claim **27**,

wherein the first geographical search region includes a first unsupported geographical search region shape; and

wherein the computer system generates the at least the second query such that a plurality of geographical search region shapes that are supported by the at least one interface of the at least one social network media

data source and that include the first unsupported geographical search region shape.

37. The non-transitory computer readable memory device of claim 36, wherein the computer system generates the at least the second query such that the plurality of geographical search region shapes, supported by the at least one interface of the at least one social network media data source, include an expansion of the first unsupported geographical search region shape.

38. The non-transitory computer readable memory device of claim 37, wherein when the computer system receives, from the at least one social network media data source via the network interface and the network, the at least one result based on the search data that is based on the at least the second query, the computer system receives a plurality of results that are based on the second query and the plurality of geographical search region shapes, supported by the at least one interface of the at least one social network media data source, that include the expansion of the first unsupported geographical search region shape, wherein the plurality of results include the at least one result.

39. The non-transitory computer readable memory device of claim 36, wherein a first result of the plurality of results is a duplicate result of a second result of the plurality of results; and

wherein the computer system further eliminates the duplicate result.

40. The non-transitory computer readable memory device of claim 27,

provides, via the network interface and the network, the first query to the at least one social network media data source.

41. The computer readable memory device of claim 40,

wherein the at least one result includes at least one location of the geographic context region; and

wherein the computer system further provides the at least one location of the geographic context region to the user via the map.

42. The non-transitory computer readable memory device of claim 40,

wherein the second geographical area includes at least the first portion of the geographic context region and the second portion of the geographic context region.

43. The non-transitory computer readable memory device of claim 27, wherein the computer system further provides a map to a user, wherein the map indicates at least one location of the geographic context region that corresponds to the at least one result based on the at least one query and based on location-based data stored via the at least one social network media data source.

44. The non-transitory computer readable memory device of claim 27, wherein the user-provided data stored via the at least one social network media data source includes user-provided data stored via at least one of FACEBOOK social network media data source, TWITTER social network media data source, YOUTUBE social network media data source, WEIBO social network media data source, a blog, a wiki, FOURSQUARE social network media data source, INSTAGRAM social network media data source, FLICKR social network media data source, VIMEO social network media data source, and YELP social network media data source.

45. The non-transitory computer readable memory device of claim 27, wherein the at least one identification of the geographic context region is determined via a communication system operated by a network provider and utilized by at least one of the plurality of computing devices.

46. The non-transitory computer readable memory device of claim 45, wherein the communication system includes at least one of a wireless access point and a wired access point; and

wherein the at least one identification of the geographic context region is determined via a location of the at least one of the wireless access point and the wired access point.

47. The non-transitory computer readable memory device of claim 45,

wherein the at least one of the plurality of computing devices utilizes a network address associated with the communication system; and

wherein the network address is associated with the at least one identification of the geographic context region.

48. The non-transitory computer readable memory device of claim 27,

wherein a location included within the geographic context region is determined via a position device of at least one of the plurality of computing devices; and

wherein the user-provided data from the plurality of users provided via the plurality of computing devices includes the location included within the geographic context region.

49. The non-transitory computer readable memory device of claim 27,

wherein the geographic context region is associated with a geometric center and the first location is associated with the geometric center of the geographic context region.

50. The non-transitory computer readable memory device of claim 27,

wherein the computer system is coupled to a storage; and

wherein the computer system further:

stores the at least the second query in the storage;

after an amount of time transpires, retrieves the at least the second query from the storage;

provides, via the network, the at least the second query from the storage to the at least one social network media data source;

receives, from the at least one social network media data source via the network, at least a second result based on the at least the second query from storage and based on the user-provided data stored via the at least one social network media data source; and

provides the at least the second result to the computing device.

51. The non-transitory computer readable memory device of claim 50,

wherein when the computer system stores the at least the second query in the storage, the computer system stores the at least the second query in the storage via the network; and

wherein when the computer system retrieves the at least the second query from the storage, the computer system retrieves the at least the second query from the storage via the network.

52. The non-transitory computer readable memory device of claim 27, wherein the geographic context region includes at least one of a voting district, a congressional district, a school district, a school, a campus, a dormitory, an oil pipeline, a sports complex, a police precinct, a piece of real estate, a neighborhood, a borrow, a city, a town, a commercial office building, a floor of a building, a factory, a refinery, a storage facility, a power station, a power substation, a military installation, and a census designated place.

53. A method, comprising:

receiving, from a computing device, via the network interface and the network, a first query of at least one social network media data source indicating search data and a first geographical search region, wherein the at least one social network media data source stores user-provided data from a plurality of users provided via a plurality of computing devices associated with at least the first geographical search region;

determining the first geographical search region covers a first geographical area and at least a first portion of a geographic context region intersecting the first geographical search region, wherein a first location within the geographic context region is not within the first geographical search region and wherein first social media results of the at least one social network media data source in response to the first query will not include one or more second social media results associated with one or more second locations within both the first portion of the geographic context region and the first geographical search region, at least because the one or more second locations are associated with the geographic context region and the first location is not within the first geographical search region;

in response to determining the first geographical search region covers the first geographical area and the at least a first portion of the geographic context region intersecting the first geographical search region, generates at least a second query of the at least one social network media data source indicating the search data and a second geographical search region covering a second geographical area including at least a second portion of the geographic context region including the first location and the one or more second locations within the geographic context region;

providing, via the network interface and the network, the at least the second query to the at least one social network media data source;

receiving, from the at least one social network media data source via the network interface and the network, at least one result based on the at least the second query and based on the user-provided data stored via the at least one social network media data source, wherein the at least one result includes the one or more second social media results associated with the one or more second locations within the geographic context region and the first geographical search region; and

providing the at least one result to the computing device.

54. The method of claim 53, further comprising: further comprising expanding the first geographical search region to the second geographical search region to determine if one or more geographic context regions intersect the first geographical search region, wherein the second geographical search region covers more geographical area then the first geographical search region, and generates at least the second query in response to determining the geographic context region intersects the first geographical search region.

55. The method of claim 54, wherein expanding the first geographical search region includes expanding a plurality of supported geographical search region shapes, of the at least one social network media data source, based on the first geographical search region.

56. The method of claim 53, wherein generating the at least the second query that includes the at least one identification of the geographic context region and that is based on the search data and the at least one social network media data source includes transforming the first query in accordance with at least one interface of the at least one social network media data source such that the at least the second query is supported as a query of the at least one social network media data source.

57. The method of claim 53,

wherein the at least the second query includes at least one of a word, a plurality of words, a phrase, a user profile, a portion of a user profile, a regular expression, a natural language filter, a grammar, a social group, an organization, and a user identification;

wherein at least a portion of the user-provided data from the plurality of users corresponds to the at least one result and at least one of the word, the plurality of words, the phrase, the user profile, the portion of the user profile, the regular expression, the natural language filter, the grammar, the social group, the organization, and the user identification; and

wherein the at least one result is based on the at least the portion of the user-provided data from the plurality of users that corresponds to the at least one result and the at least one of the word, the plurality of words, the phrase, the user profile, the portion of the user profile, the regular expression, the natural language filter, the grammar, the social group, the organization, and the user identification.

58. The method of claim 57, wherein the user-provided data includes at least one post to at least one social network service.

59. The method of claim 57, wherein the grammar includes at least one of a set of formation rules for strings in a language, a context-free grammar, a regular grammar, a tree-adjoining grammar, an affix grammar, an attribute grammar, an adaptive grammar, an ambiguous grammar, and a categorical grammar.

60. The method of claim 57, wherein the user profile includes at least one of a user name, the user identification, a mobile telephone number, an email address, a physical address, an occupation, a gender, a marital status, a past purchase, an interest, a past transaction, a shoe size, an age, a clothing size, a political affiliation, a monthly income, a yearly income, an employment status, a credit history, a credit rating, an eye color, a hair color, a music genre, and a membership.

61. The method of claim 57, wherein the user-provided data from the plurality of users includes social network user-provided content.

62. The method of claim 57,

wherein the first geographical search region includes a first unsupported geographical search region shape;

wherein generating the at least the second query includes generating the at least the second query such that a plurality of geographical search region shapes that are supported by the at least one interface of the at least one social network media data source and that include the first unsupported geographical search region shape.

63. The method of claim 62, wherein generating the at least the second query includes generating the at least the second query such that the plurality of geographical search region shapes, supported by the at least one interface of the at least one social network media data source, include an expansion of the first unsupported geographical search region shape.

64. The method of claim 63, wherein receiving, from the at least one social network media data source via the network interface and the network, the at least one result includes receiving a plurality of results that are based on the at least the second query and the plurality of geographical

search region shapes, supported by the at least one interface of the at least one social network media data source, that include the expansion of the first unsupported geographical search region shape, wherein the plurality of results include the at least one result.

65. The method of claim **64**, wherein a first result of the plurality of results is a duplicate result of a second result of the plurality of results;

the method further comprising:

eliminating the duplicate result.

66. The method of claim **53**, further comprising:

providing, via the network interface and the network, the first query to the at least one social network media data source.

67. The method of claim **66**, wherein the at least one result includes at least one location of the geographic context region;

the method further comprising:

providing the at least one location of the geographic context region to the user via the map.

68. The method of claim **56**, wherein the second geographical area includes at least the first portion of the geographic context region and the second portion of the geographic context region.

69. The method of claim **53**, further comprising:

providing a map to a user, wherein the map indicates at least one location of the geographic context region that corresponds to the at least one result based on the at least one query and based on location-based data stored via the at least one social network media data source.

70. The method of claim **53**, wherein the user-provided data stored via the at least one social network media data source includes user-provided data stored via at least one of FACEBOOK social network media data source, TWITTER social network media data source, YOUTUBE social network media data source, WEIBO social network media data source, a blog, a wiki, FOURSQUARE social network media data source, INSTAGRAM social network media data source, FLICKR social network media data source, VIMEO social network media data source, and YELP social network media data source.

71. The method of claim **53**, wherein the at least one identification of the geographic context region is determined via a communication system operated by a network provider and utilized by at least one of the plurality of computing devices.

72. The method of claim **71**,

wherein the communication system includes at least one of a wireless access point and a wired access point; and

wherein the at least one identification of the geographic context region is determined via a location of the at least one of the wireless access point and the wired access point.

73. The method of claim **71**,

wherein the at least one of the plurality of computing devices utilizes a network address associated with the communication system; and

wherein the network address is associated with the at least one identification of the geographic context region.

74. The method of claim **53**,

wherein a location included within the geographic context region is determined via a position device of at least one of the plurality of computing devices; and

wherein the user-provided data from the plurality of users provided via the plurality of computing devices includes the location included within the geographic context region.

75. The method of claim **53**,

wherein the geographic context region is associated with a geometric center and the first location is associated with the geometric center of the geographic context region.

76. The method of claim **53**, further comprising:

storing the at least the second query in the storage;

after an amount of time transpires, retrieves the at least the second query from the storage;

providing, via the network, the at least the second query from the storage to the at least one social network media data source;

receiving, from the at least one social network media data source via the network, at least a second result based on the at least the second query from storage and based on the user-provided data stored via the at least one social network media data source; and

providing the at least the second result to the computing device.

77. The method of claim **76**,

wherein storing the at least the second query in the storage includes storing the at least the second query in the storage via the network; and

wherein retrieving the at least the second query from the storage includes retrieving the at least the second query from the storage via the network.

78. The method of claim **53**, wherein the geographic context region includes at least one of a voting district, a congressional district, a school district, a school, a campus, a dormitory, an oil pipeline, a sports complex, a police precinct, a piece of real estate, a neighborhood, a borrow, a city, a town, a commercial office building, a floor of a building, a factory, a refinery, a storage facility, a power station, a power substation, a military installation, and a census designated place.

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